



Upper Rhine Cluster for Sustainability Research

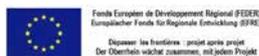
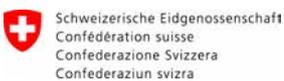


Documentation Kick-Off Workshop

Freiburg, 7th & 8th of October 2016



Edited by : Stephan Schmidt, Managing Director



1. Introduction to the workshop (p. 3)

- Presentation by Paul Burger (Basel)

2. Documentation Axis 1 – Governance (p. 15)

- Presentation by Philippe Hamann (Strasbourg)
- Working Group : Leverage points in sustainability governance
- Working Group : Regional/urban governance and its impacts
- Working Group : Trinational sustainability study

3. Documentation Axis 2 – Energy (p. 34)

- Presentation by Wolf Fichtner (Karlsruhe)
- Working Group : 1 Region, 3 Countries, x Energy Markets
- Working Group : Sustainability Assessment of Local Energy Concepts
- Working Group : Tri-national technical and economic study of micro-grids for self-consumption
- Working Group : Sustainable Buildings
- Working Group : Integrating individual/social differences factors in modelling

4. Documentation Axis 3 – Transformation (p. 56)

- Presentation by Stéphane Vuilleumier (Strasbourg)
- Working Group : Exploring regional bioeconomy pathways and cross-border mutual learning
- Working Group : Anthropogenic impact on ecosystems and human health in the Upper rhine region

5. Documentation Axis 4 – Resource Management (p. 75)

- Presentation by Barbara Koch (Freiburg)
- WG: Integrating multiple ecosystem services into the management of polders in the URR
- Working Group : Rhine ecology
- WG: Long-term temp. trajectory of the Rhine hydrosys. – from beginning of the Holocene up to now
- Working Group : Water flux and water quality as an integrative indicator for ecosystem health

6. Documentation Axis 5 – Multiculture (p. 89)

- Presentation by Oliver Froer (Landau)
- Working Group : Household energy consumption and sustainability
- WG: The influence of culture & language on the underst. and repres. of sust., growth and develop.
- Working Group : Meeting points for the cultural sustainability in the Upper Rhine

7. List of participants (p. 107)

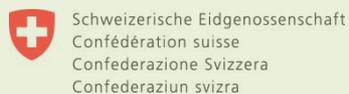


Kick-off Meeting Upper Rhine Cluster for Sustainability Research

Introduction

Paul Burger

Freiburg, 07./08 Oktober 2016



General Goal

- **Fostering transnational (research) cooperation in the field of sustainable development**
- Building a stable institutional structure to support research cooperation
- Linking the cluster and its research to societal topics of interest /to knowledge transfer
- There is no money for research – it is all about creating enabling conditions for transnational and preferably interdisciplinary research
- **Ideally until 2018: Up to 3 bigger Horizon2020 applications; whatever number of small and medium sized projects/grants**

General Goals kick-off meeting

- **Building topic related working groups for “permanent” collaboration:**
 - E.g. Joint grant applications
 - Thematic coordination / discussion lines
- Becoming familiar with the options created by URCforSR
- Getting in touch with researchers working in the broad field of sustainability issues (networking)

The new environment „European Campus“

- **EUCOR – the European Campus:**
 - EVTZ (Basel, Freiburg, Haute Alsace, Karlsruhe, Strasbourg)
 - Goal: Joint grant applications through EVTZ!
- The innovation triad: European Campus – URCforSR (with Landau) – SERIOR graduate academy (headed by Landau)
- Continuance after 2018: fully dependent on our performance

Five axes

- Governance
 - Energy, Infrastructure, and societal change
 - Technology and transformation processes
 - Resource management
 - Multilingual and multicultural aspects.
-
- Important:
 - They are porous containers; organizational vessels; supported by enablers
 - Working groups across the axes are fine!
 - You choose those axes (those working groups) that are promising for you!!!!!!

Your engagement

- Formal members (=signature committing you to 10% engagement within URCforSR
 - No time-sheets; but prove of activities needed!
 - Budget for meetings etc.
- Non-formal members
 - Great to have you on board; but no compensation through the cluster possible

Content-wise:

- Bring your ideas in; look for cross-border cooperation partners!
- Search for new idea! Let inspire you, be inspiring!

Working Title (for joint project/thematic field of cooperation) / Axis

Sketch of content

Intended application(s) for funds

Disciplines & Universities [(a) = already involved; (b) = looking for]

(a).....

.....

.....

(b).....

.....

Group members (preliminary)

.....

.....

Two steps:

Step 1
today



Working Title (for joint project/thematic field of cooperation) / Axis
.....
.....

Sketch of content (elaborate!)
.....
.....
.....
.....

Next steps
.....
.....
.....
.....
.....

Responsible Person
.....

Members **committed** to working in the group
.....
.....
.....

Step (2) tomorrow



Structure of workshop

Friday, 7th October 2016

11.00am – 11.30 Welcome and introduction to the cluster

11.30am – 1.00pm Introduction to the 5 axes of the URCforSR

1.00pm – 2.00pm Lunch

2.00pm – 3.30pm Discussion within axes and building working groups

3.30pm – 4.00pm Coffee

4.00pm – 5.30pm Working groups develop research agenda

5.45pm – 6.30pm Wrap up of the 5 axes

7:00pm Cometogether

Saturday, 8th October 2016

09.30am – 11.00am Marketplace: working groups networking

11.00am – 11.30am Coffee

11.30am – 01.00pm Working groups develop the research agenda further

01.15pm – 02.00pm Presentation of teams and topics

Rooms

Plenary Sessions:

Room 100

Marketplace:

Inner Courtyard

Working Sessions:

Axis 1 – Room 101

Axis 2 – Room 102

Axis 3 – Room 310

Axis 4 – Room 200

Axis 5 – Room 103

Cometogether & Lunch & Coffee:

Inner Courtyard

Outlook

- Network activities within the axes (1-2 axis workshop per year)
- Work group workshops
 - Application – decisions by the directorate
 - Skype and other telco meetings
- Supported by enablers
- URCforSR is a big experiment; its success is 100% dependent on your engagement.

Template for Small workshops



Universität
Basel

Upper Rhine Cluster
for Sustainability Research



Application for funding group workshops (1 day)



UNIVERSITÉ DE STRASBOURG



UNIVERSITÉ
HAUTE-ALSACE

UNIVERSITÄT
KOBLENZ · LANDAU

Group ID (group name; responsible coordinator; axis if applicable)

Overall group goals (grant application, thematic exchange etc.)

Workshop goals and time-table

Location

Participants (with affiliations)

(a) Members of URCforSR (funded).....

(b) Non-members (not funded).....

Budget (travel expenses members plus daily allowance for coffee and lunch)

University of Strasbourg

Axis Governance

Topics description for the kick-off meeting



Amandine LEONATE
21/09/2016

Index

- 1. Governance and politics of sustainable urbanism 2
- 2. Social sustainability towards an “ecology for all”: citizens and household levels 2
- 3. Governance of sustainable growth 2
- 4. Different governance arrangements in various cultural areas 3

The aim of the following themes is to question the problematic of the governance of sustainability in the complex context of multileveled socio-ecosystems, through different scales (local/global) and approaches (analytical/practical): top down or institutional (1), bottom up or grass roots (2), more theoretical or notional (regarding the overarching topic of the cluster, i.e. “Governance of sustainable growth”) (3) and thanks to international comparisons (4).

1. Governance and politics of sustainable urbanism

Creating a dialogue between different aspects and thematic fields of urban studies and urbanism, such as political sciences, social sciences and human geography, this topic will deal with the tentative ideas and impulses of the decision makers as well as the policies to hold a sustainable growth of urban areas and the cities. The related studies will lead to a better understanding of the governance of change in a sustainable urban development context inside the Upper Rhine Region.

The following proposals could be related to these topics:

- Governance of sustainable politics (Prof. Bernhard Neumärker, Freiburg)
- Social sustainable urbanism (Prof. Tim Freytag, Freiburg)

2. Social sustainability towards an “ecology for all”: citizens and household levels

As a complementary entry regarding the previous theme, this topic will enable us to better understand the relationships between the citizens/inhabitants and their environment, and how we can manage to create a common knowledge about sustainability, by promoting and sharing the “best practices”, not only from a top-down logic, but by analyzing critical exploration and real life experiences. Taking the diversity of the grass roots actors into account, at individual, household as well as collective levels, may lead to a better overview of the brakes and levers of the social sustainable concrete behaviors, which will help to set up consolidated actions. The studies will include national, rural, suburban and urban areas among the Upper Rhine Region.

This theme may be linked with the following proposals:

- Promoting an “ecology for all” in the Upper Rhine Region (Prof. Philippe Hamman with Maurice Wintz, Senior Lecturer, laboratory [SAGE](#), Strasbourg)
- Why might people act sustainably: incentives, values and interactions as determinants of individual investments and consumption decisions (Prof. Dr. Frank Krysiak, Basel)

3. Governance of sustainable growth

In consideration with the “governance of change” field, the thematic of the sustainable growth is at the kernel to analyze the politics and the incentives deployed towards a green growth. This topic can be considered at two levels: on the one side, by questioning the controversial notion

(oxymoron?) of sustainable growth, from a theoretic point of view and through a series of workshops; and on the other side, the idea is to provide proposals for legislative actions to overcome existing coordination problems. To do so, we will need to identify the actual governance weaknesses, and to analyze the actual policies which regulate human/social activities and their impacts on the environment. In both cases, these studies will integrate interdisciplinary incomes (sociology, economy, institutional politics, consumption patterns analysis, etc.).

In order to illustrate this subject, we can refer to the following proposals:

- EU multi-level governance and the legal framework concerning transformation of national energy systems, climate protection and energy network planning (Prof. Dr. Jens-Peter Schneider, Freiburg)
 - *Maybe this proposal could also be connected with the axis Energy*
- Governance of sustainable politics (Prof. Bernhard Neumärker, Freiburg)
- Why might people act sustainably: incentives, values and interactions as determinants of individual investments and consumption decisions (Prof. Dr. Frank Krysiak, Basel)

4. Different governance arrangements in various cultural areas

Sustainability initiatives driven by sub-national actors such as municipality governments, civil society organisations, entrepreneurs, universities, churches, and individuals have an important role to play, once to translate the internationally and nationally agreed political frameworks into action on the ground, but also as motor of societal change with the ability to act more flexible and innovatively than national governments and multinational initiatives. Many of them have a limited sectoral and/or geographical focus so that eventually existing indirect effects on a larger scale remain unknown. This topic will apply to gain an overview of the impacts of such initiatives on a worldwide scale.

This topic is directly linked with the following proposal (as well as the axis “Multiculturalism & multilinguism):

- Sub-national initiatives: effective responses to global socio-environmental challenges (Prof. Dr Benno Pokorny, Freiburg)

Finally, we can notice that these topics aren’t closed anyway: an opening to other topics from other axes is possible, as well as new topics could be suggested.



Presentation Axis 1 „Governance“

Kick-off Workshop

7th-8th October 2016, Freiburg



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra



Fonds Européen de Développement Régional (FEDER)
Europäischer Fonds für Regionale Entwicklung (EFRE)
Dépasser les frontières : projet après projet
Der Oberrhein wächst zusammen, mit jedem Projekt



1. Presentation of the axis regarding the project submitted to Interreg
2. Topics description to our discussion

1. Presentation of the axis

3 sub-axis:

- Politics of sustainable growth
 - Keywords: political strategies, paths of development, employment, economy, conflicts, “green growth”
- Governance of change
 - Keywords: habits, political behaviour, top down vs bottom up, local governments, citizens/household levels, steering of change, multilevel coordination
- Regional governance in the international context
 - Keywords: multilevel coordination, interactions, health, social interactions, scales, “best practices”

2. Topics description

1. Governance and politics of sustainable urbanism
2. Social sustainability towards an “ecology for all”: citizens and household levels
3. Governance of sustainable growth
4. Different governance arrangements in various cultural areas

2. Topics description

1. Governance and politics of sustainable urbanism

- Main idea: top down or institutional approach
- Keywords: Sustainable growth, urban areas, cities, decision makers, sustainable policies, sustainable urban development
- Disciplines: sociology, social sciences, urban studies and urbanism, political sciences, human geography



geography
social
promotion
cities
human
sustainable
decision-makers
growth, sociology
urbanism
areas

2. Topics description

2. Social sustainability towards an “ecology for all”: citizens and household levels

- Main idea: bottom up or grass roots approach
- Keywords: real life experiences, “best practices”, social sustainable behaviour
- Disciplines: social sciences, political sciences

ecology
best-practices
experiences
citizens
behaviours
sustainability
political
household

2. Topics description

3. Governance of sustainable growth

- Main idea: theoretical or notional approach
- Keywords: green growth, legislative actions, human/social activities, consumption patterns analysis
- Disciplines: social sciences, political sciences, environmental sciences, economy

human/social
legislative-actions
policies
sustainable
green-growth
consumption-patterns
activities

2. Topics description

4. Different governance arrangements in various cultural areas

- Main idea: international comparison
- Keywords: sustainable initiatives, worldwide impacts
- Disciplines: social sciences, political sciences

initiatives
arrangements
impacts
worldwide
cultural-areas
international
comparison



Universität
Basel



KIT
Karlsruhe Institute of Technology



UNIVERSITÉ DE STRASBOURG



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UNI
FREIBURG



eucor
The European Campus



Fonds Européen de Développement Régional (FEDER)
Europäischer Fonds für Regionale Entwicklung (EFRE)
Dépasser les frontières - projet après projet
Der Oberrhein wächst zusammen, mit jedem Projekt



interreg
Rhine Supérieur



KANTON AARGAU



Thank you for your attention



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Upper Rhine Cluster for Sustainability Research



Template 1 for Kick-off meeting, Freiburg 07./08.10.2016



Working Title (for joint project/thematic field of cooperation)/axis 1

The role of leverage points in sustainability governance

Sketch of content:

- Implementation of changes by leverage points
- Large changes (big bang) vs. small changes (gradualism)
- Where do those tipping points come from

Intended application(s) for funds:

To be defined (german-swiss binational funding)

Disciplines and Universities [(a) = already involved; (b) = looking for]

- a) Univ. Basel: social sciences, economics, sociology
Univ. Freiburg: economics at diverse departments
- b) /

Group members (preliminary):

Basel: Frank Krysiak, Anika Sohre, Aya Kachi, Jens Köhrsen, Lena Bloemertz

Freiburg: Stefan Baumgärtner, Bernhard Neumärker



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Upper Rhine Cluster for Sustainability Research



Template 2 for Kick-off meeting, Freiburg 07./08.10.2016



Working Title (for joint project/thematic field of cooperation)/axis 1

Leverage points in sustainability governance

Sketch of content

- Implementation of changes by leverage points
- Large changes (big bang) vs. small changes (gradualism)
- Where do tipping points come from

Next steps

1. Individual description and clarification of (until end of November):
 - a. Topic
 - b. Relevant literature
 - c. Own contribution
 - d. Own expertise / external cooperation
 - e. Further points of discussion
 - f. Suitable funding sources (most likely D-A-CH Lead Agency)
2. Half-day meeting in Basel in week 10.-16.12. to discuss and further shape project

Responsible person

Stefan Baumgärtner (Freiburg)

Members committed to working in the group

- Freiburg: Stefan Baumgärtner, Bernhard Neumärker
- Basel : Frank Krysiak, Anika Sohre, Aya Kachi, Lena Bloemertz, Jens Köhrsen



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Template 1 for Kick-off meeting, Freiburg 07./08.10.2016



Working Title (for joint project/thematic field of cooperation)/axis 1

Regional/governmental policies for regional sustainable development

Sketch of content:

/

Intended application(s) for funds:

To be defined (swiss-french bilateral funding)

Disciplines and Universities [(a) = already involved; (b) = looking for]

- a) Sociology (Strasbourg & Basel), natural sciences (Strasbourg CNRS), economics (Freiburg)
- b) Political sciences, rural development

Group members (preliminary):

- Strasbourg: Philippe Hamman, Christelle Roy
- Basel: Paul Burger, Jens Köhrsen
- Freiburg: Bernhard Neumärker, Benno Pokorny
- FHNW: Claus Daub
- KIT: Jürgen Lopfmüller
- Outl. Axis 5: Melanie Ströbel (Landau)



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Upper Rhine Cluster for Sustainability Research



Template 2 for Kick-off meeting, Freiburg 07./08.10.2016



Working Title (for joint project/thematic field of cooperation)/axis 1

Regional/urban governance and its impacts

Sketch of content

Comparative analysis of urban or regional governance (e.g. Mulhouse, Strasbourg, Karlsruhe, Freiburg, Basel) and its impacts on specified fields (e.g. mobility).

Next steps

1. Each participant elaborates maximum one page on (end of November):
 - a. Overall research question
 - b. Own interest + contribution
 - c. Expertise
 - d. Funding opportunities + deadline
 - e. Keywords
2. Synthesis paper (enabler, mid. January)
3. Meeting (1st half of February)

Responsible person

Philippe Hamman (Strasbourg)

Members committed to working in the group

- Strasbourg: Philippe Hamman
- Basel: Paul Burger, Jens Köhrsen
- Freiburg: Benno Pokorny
- Mulhouse: Renaud Defiebre



Universität
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Upper Rhine Cluster for Sustainability Research



Template 1 for Kick-off meeting, Freiburg 07./08.10.2016



Working Title (for joint project/thematic field of cooperation)/axis 1

Emergence and impacts of sustainability initiatives at subnational level – SNI

Sketch of content

- Inventory of SNI
- Understand the motivations of SNI
- Assess the impact of SNI (effectiveness)
- Find effective reasons for promotion

Intended application(s) for funds

DFG – ANR (german-french bilateral funding)

Disciplines and Universities [(a) = already involved; (b) = looking for]

- a) Univ. Freiburg: rural development
Univ. Haute-Alsace
- b) /

Group members (preliminary):

- Benno Pokorny (Freiburg)
- Renaud Defiebre (Mulhouse)



Universität
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Upper Rhine Cluster for Sustainability Research



Template 2 for Kick-off meeting, Freiburg 07./08.10.2016



Working Title (for joint project/thematic field of cooperation)/axis 1

Trinational sustainability study

Sketch of content:

Form a student group (10-20 students per year) that are enabled their bachelor and master thesis with a commonly agreed sustainable research agenda.

Next steps

1. Elaboration of a draft proposal
2. Identification + communication with relevant professors
3. Collect information about relevant people, logistics organisation and funding
4. Workshop (end of November) considering possibilities and making strategic decisions (= definition of a concrete plan)

Responsible person

Benno Pokorny (Freiburg)

Members committed to working in the group

- Freiburg: Benno Pokorny
- Mulhouse: Renaud Defiebre
- Basel: Jens Köhrsen
- ISSM: Cyrill Villet
- ?: Christoph Huoi

Karlsruhe Institute of Technology

Axis 2: Energy, infrastructure and societal change

Topic description for the Kick-off Meeting



J. Rimbon, K. Schumacher, F. Steiner
21/09/2016

Index

1. Sustainable buildings and consumer behaviour.....	2
2. Sustainable (e-)mobility	2
3. European system integration versus decentralized energy systems	3
4. Cross-border (smart) grids	3

Axis 2 of the Upper Rhine Cluster for Sustainability Research deals with the topic of 'Energy, Infrastructure and Societal Change'. From the received project ideas, the axis has extracted the following focus topics. Within these topics, a broad expertise from architecture, engineering, social science, law, economics and regional planning is needed.

1. Sustainable buildings and consumer behaviour

In the building sector a strong focus is placed on energy saving buildings. Even though this is a good starting point, sustainable buildings should address more dimensions than energy efficiency or meeting the passive house standard. The efficiency of household energy consumption is strongly interrelated both with other resources (as e.g. (warm) water, waste water or air) as well as non-technical aspects like consumer behaviour and user acceptance. Topics as overall resource efficiency, the corresponding integrated simulation in the planning process and user participation in the development of sustainable districts play an important role for future research on sustainable buildings and housing.

The following project ideas have been submitted with regard to this focus topic:

- Advancing energy saving buildings to overall resource efficient buildings (Dr. rer. nat. Helmut Lehn, KIT)
- Efficient energy building and indoor air pollution (Nadège Blond, CNRS Strasbourg)
- LE BIM : porte d'entrée vers la simulation multi-physiques (Emmanuel Dufrasnes, Ecole Nationale Supérieure d'Architecture de Strasbourg)
- Les plateformes d'innovation ouverte urbaine (Emmanuel Dufrasnes, Ecole Nationale Supérieure d'Architecture de Strasbourg)

2. Sustainable (e-)mobility

Future mobility will be user focused and based on more multimodal trips, less private cars, more interconnectivity and will decrease its environmental impact (cf. mobility as a service concept). Besides the increased connectivity, which is based on the accelerated development in information and communication technologies (ICT) and a trend to non-motorised transport in developed countries, electric vehicles might play a key role in future individual transport. Many governments set already ambitious targets for future electric vehicles market shares. In future mobility, there are several undiscovered research fields such as mobility services, un-motorized transport or several aspects of electric mobility.

The following project idea has been submitted with regard to this focus topic:

Sustainable cross-border (e-)mobility solutions (PD. Dr. Patrick Jochem, KIT)

3. European system integration versus decentralized energy systems

The increasing diffusion of generation from renewable energy sources sparks issues such as (1) the growing trend towards communities claiming their energy autonomy on the one hand side, and (2) grid congestion and increasing cross-border electricity exchange on the other hand side. Both issues raise questions about the design of future sustainable energy systems. Regarding energy autonomy, there is a lack of assessment of key structural influencing factors for energy autonomous quarters and municipalities. The drawbacks of energy autonomy are barely known and necessitate further investigations. However, the exploitation of the largely decentral renewable energies also requires structural and market changes. Cost effective conversion of excess electricity is also a key concern. The two aspects would be confronted to each other since the single electricity market leads to more congestion than the approach with energy autonomy. Cross-border electricity exchanges increase congestions in the electricity transmission grid. In order to minimise welfare loss, borders of market zones should be in line with congested transmission lines, which might result in local, potentially cross-border market areas. Alternative market areas can cause significant changes in the electricity sector of the Upper-Rhine Region which need to be investigated. Issues (1) and (2) are bound to technical improvements and challenges that can be assessed in this topic.

The following project ideas have been submitted with regard to this focus topic:

- Quantitative assessments of key structural influencing factors for energy autonomous quarters and municipalities in the Upper Rhine Region (Russell McKenna, KIT)
- Smart Signal Processing and Data Analysis for Smart Energy (Djaffar Ould and Patrice Wira, University of Haute Alsace)
- Impact of alternative, cross-border market zones on the Upper Rhine Region (Dr. Armin Ardone, KIT)

4. Cross-border (smart) grids

The EU wants an improved basis for renewable energy sources hosting capacity, stability and flexibility in the distribution grid operating with large share of variable renewables, and a reduction of congestion. These are ongoing policy developments in the field of the design of the internal electricity market, of the retail market and ongoing discussions on self-consumption. The services to the grid and business models for grid excess management may get more attention in the future.

The following project ideas have been submitted with regard to this focus topic: Sustainable Energy across Borders:

Upper Rhine Smart Grid (Prof. Dr. Barbara Koch, University of Freiburg)

Upper Rhine Cluster for Sustainability Research

Topic 2: Energy, Infrastructure, and Societal Change

Wolf Fichtner, Jérémy Rimbon, Kira Schumacher, Franka Steiner



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Four initial topics of axis 2 and submitted proposals

I. Sustainable buildings and consumer behavior

- Advancing energy saving buildings to overall resource efficient buildings
- Efficient energy building and indoor air pollution
- LE BIM : porte d'entrée vers la simulation multi-physiques
- Les plateformes d'innovation ouverte urbaine

II. Sustainable (e-) mobility

- Sustainable cross-border (e-)mobility solutions
- Sustainable transportation with autonomous vehicles

III. European system integration versus decentralized energy systems

- Quantitative assessments of key structural influencing factors for energy autonomous quarters and municipalities in the Upper Rhine Region
- Smart Signal Processing and Data Analysis for Smart Energy
- Impact of alternative, cross-border market zones on the Upper Rhine Region

IV. Cross border (smart) grids

- Sustainable Energy across Borders: Upper Rhine Smart Grid

Sustainable buildings and consumer behaviour

Background and Motivation

- At present research activities in building sector focussing on reduction of energy consumption
- Strong interrelation between energy and other resources (e.g. water) mostly neglected

Possible research questions/ objectives

- Enhance the energy focus in the building sector to an analysis towards an overall resource perspective
- Develop a cross-sectoral analysis tool
- Analyses of legal, institutional and social framework conditions
- Development of policy recommendations

Expertise

- Architecture, engineering, social science, law, economics, urban and regional planning

Project ideas

- Advancing energy saving buildings to overall resource efficient buildings
- Efficient energy building and indoor air pollution
- LE BIM : porte d'entrée vers la simulation multi-physiques
- Les plateformes d'innovation ouverte urbaine

Sustainable (e-)Mobility

Background and Motivation

- Future mobility
- Less private cars
- Trend to non-motorised transport
- Ambitious political targets
- More interconnectivity through information and communication technologies
- New mobility services

Possible research questions/ objectives

- Develop sustainable (e-)mobility solutions and sustainable business models focusing on cross-border aspects in the URR
- Develop automatic control strategies for autonomous vehicle guidance and assessment of the impact of autonomous vehicles on GHG emissions

Expertise

- Engineering, social science, law, economics, urban and regional planning

Project ideas

- Sustainable cross-border (e-)mobility solutions
- Sustainable transportation with autonomous vehicles

European system integration versus decentralized energy systems

Background and Motivation

- Increasing amount of renewables
- Increasing grid congestion
- Cross-border electricity exchange
- Trend towards energy autonomy
- Split between top-down targets and bottom-up implementation

Possible research questions/ objectives

- What are optimal market zones in Central West Europe?
- What would be the effects of alternative market areas for the Upper Rhine Region?
- How could sustainability aspects be included into the assessment of the local energy supply?
- How can energy autonomy be measured and quantitatively assessed for different energy systems? What is the technically, economically, environmentally “optimum” scale for energy autonomy?

Expertise

- Engineering, social science, law, economics, urban and regional planning

Project ideas

- Quantitative assessments of key structural influencing factors for energy autonomous quarters and municipalities in the Upper Rhine Region
- Smart Signal Processing and Data Analysis for Smart Energy
- Impact of alternative, cross-border market zones on the Upper Rhine Region

Cross-border (smart) grids

Background and Motivation

- Challenges in smart-grid applications
- Ongoing policy developments regarding the design of the internal electricity market, the retail market and ongoing discussions on self-consumption
- Enhanced interconnections between Member States and/or between energy networks

Possible research questions/ objectives

- Develop energy storage systems providing services to the distribution grid and the consumer at affordable costs, deferral of investments in grid reinforcements, validation of business models
- Cost effective conversion of excess electricity, avoid curtailment, provide services to the grid
- Enable and/or enhance demand response schemes bringing proven and quantified benefits for the grid and the consumers / prosumers; validation of business models
- Improved basis for renewable energy sources hosting capacity, stability and flexibility in the distribution grid operating with large share of renewables, reduction of congestion.

Expertise

- Engineering, social science, law, economics, urban and regional planning

Project ideas

- Sustainable Energy across Borders: Upper Rhine Smart Grid

We are looking forward to the discussions!





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Basel

Upper Rhine Cluster for Sustainability Research



Template 1 for Kick-off meeting, Freiburg 07./08.10.2016



Working Title (for joint project/thematic field of cooperation)/Axis 2

1 Region, 3 Countries, x Energy markets (spot, control energy, renewables)

Sketch of content:

- Market modelling (power), D, F, CH (in detail), Rest EU (aggregated)
- Grid modelling (power), D, F, CH, Rest EU
- Investment and production decisions
- Are the decision sustainable?
How do they change the framework (market zones)

Intended application(s) for funds:

To be defined, for now: common working group

Disciplines and Universities [(a) = already involved; (b) = looking for]

- (a) Uni Basel, KIT, French partner, Uni Freiburg-ZEE
- (b) French partner

Group members (preliminary):

Fichtner (KIT), Weigt (Uni Basel), Ampolo (Uni Landau), Ute Karl (EIFER), C. Hugi (FHNW), Reindl (Uni Freiburg), Neumärker (Uni Freiburg), Fraunhofer ISE



Universität
Basel

Upper Rhine Cluster for Sustainability Research



Template 2 for Kick-off meeting, Freiburg 07./08.10.2016



Working Title (for joint project/thematic field of cooperation)/ Axis 2
1 Region, 3 Countries, x Energy Markets

Sketch of content:

- To be discussed: market zones and impact on investments in the URR
- Renewable support in Germany, France and Switzerland
→ different incentives
→ feedback to system
- Auction design with regional aspects
→ Experiment transfer to Models
- National versus intentional capacity/ markets

Next steps

- Joint Workshop to exchange ideas in November 2016
- Collect information on existing data, models and projects
- Identify Links/ interfaces
- Identify needed partners
- Identify/ financing/ project submission

Responsible person(s): Weigt (Uni Basel), Fichtner (KIT), ?? (French partner required)

Members committed to working in the group

Weigt (Uni Basel)
Fichtner(KIT)

Working Title (for joint project/thematic field of cooperation) / Axis

Study the relationship between sustainability and energy autonomy and behaviour.....

Sketch of content

Energy autonomy - Appropriate scales.....

Sustainability.....

Attitude & Behaviour.....

Intended application(s) for funds

INEF4.....
.....

Disciplines & Universities [(a) = already involved; (b) = looking for]

(a)Geography/Sustainability Assessment (KIT-ITAS); Architecture (ENSAS).....

Engineering/Energy system modelling (KIT-DFIU); Economics.....

Electrical Engineering & Computer Science (UHA).....

(b) Social scientists.....

Urban and regional planning.....

Group members (preliminary)

V. Stelzer (KIT-ITAS); P. Wira (UHA); E. Dufrasnes (ENSAS); S. Wodociag (UHA).....
R. McKenna (KIT-DFIU); B. Koch (University of Freiburg); O. Frör (University of Landau)
U. Karl (EIFER); S. Pronkin & M. Elhabiri (UNISTRA)?.....

Working Title (for joint project/thematic field of cooperation) / Axis

Sustainability Assessment of Local Energy Concepts.....

Sketch of content (elaborate!)

Evaluation/selection of existing energy concepts.....

Integrated modelling of energy concepts for selected communities.....

Sustainability Assessment --> indicators.....

Result: Framework to assess sustainability strengths & weaknesses of local energy concepts

Next steps

Find a suitable funding source; INEF4: Check documents RE July 2017.....

Identification of partners and case studies.....

Possibly initiate seminar(s)

Send email to "potential partners" about participation --> important to have partners in each country.....

Workshop(s) in Karlsruhe in November?.....

Responsible Person

Russel McKenna (KIT-DFIU).....

Members **committed** to working in the group

Volker Stelzer (KIT-ITAS); Ute Karl (EIFER);

Potential members:

P. Wira (UHA); S. Wodociag (UHA); B. Koch (University of Freiburg);

E. Dufresnes (ENSAS); O. Frör (University of Landau); UNISTRA.....



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Template 1 for Kick-off meeting, Freiburg 07./08.10.2016



Working Title (for joint project/thematic field of cooperation)/Axis 2
Tri-national Techno-economic comparison of micro-grids

Sketch of content:

- Mathematical and economic models (3 Countries)
- Self-consumption
- Data transmission
- Data analysis and data aggregation

Intended application(s) for funds:

? Common working group

Disciplines and Universities [(a) = already involved; (b) = looking for]

- (a) UHA, Uni Basel, KIT, Uni Freiburg, Uni Landau
- (b) Engineering, Economics, Social scientists

Group members (preliminary):

- C. Ortoff (Freiburg), A. Ampofo (Uni Landau), D. Ould, P. Wira (UHA)



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Upper Rhine Cluster for Sustainability Research



Template 2 for Kick-off meeting, Freiburg 07./08.10.2016



Working Title (for joint project/thematic field of cooperation)/Axis2

Tri-national technical and economic study of micro-grids for self-consumption

Sketch of content:

- Mathematical and economic modelling of the interaction between “Prosumer” and the grid
- Electrical signal measurements and data analysis with advanced techniques
- Elaboration of the better model issued from the three countries in order to improve self-consumption

Next steps

- Workshop with committed members
- Visiting of experimental micro-girds :
Ottmarsheim (Gnedis, France), Freiamt (Netze, Germany)

Responsible person: D.OULD ABDESLAM (UHA), P. WIRA (UHA)

Members committed to working in the group

D. OULD ABDESLAM (UHA), P. WIRA (UHA), A. Ampofo (Uni Landau), C. Ortoff (Uni Freiburg), L. Reindl (Uni-Freiburg)

Working Title (for joint project/thematic field of cooperation) / Axis

Sustainable Buildings.....

Sketch of content

Optimization of sustainable buildings.....

Design/Materials/Use of the buildings (water).....

.....

Intended application(s) for funds

H2020, INEF4, INTERREG.....

.....

Disciplines & Universities [(a) = already involved; (b) = looking for]

(a)Microsystem Engineering (University of Freiburg)

Architecture (ENSAS)

Physics (CNRS, UNISTRA)

Physico-electrochemistry (UNISTRA, CNRS)

Water management (KIT-ITAS)

Economics/cultural influence on sustainability understandings (University of Landau)

Sanitary Engineering (University of Basel)

Urban Agriculture (University of Basel)

Energy system modelling (KIT-DFIU)

(b).....

Group members (preliminary)

A. Youssaf (University of Freiburg); E. Dufrasnes (ENSAS); N. Blond (CNRS, UNISTRA);
M. Elhabiri (UNISTRA, CNRS); H. Lehn (KIT-ITAS); A. Ampofo (University of Landau);
G. Cissé (University of Basel), L. Bloemertz (University of Basel); R. McKenna (KIT-DFIU)

Working Title (for joint project/thematic field of cooperation) / Axis

Sustainable Buildings.....

Sketch of content (elaborate!)

Separate treatment of different water streams in the house/settlement -->recovery of energy, reuse of water for e.g. cooling puposes.....

Influence of materials and ventilation on indoor air quality, humidity and energy demand

Data collection from houses and users and data analyses (e.g. resource consumption)

Relationship between sustainability perceptions and user behaviour/acceptance.....

Next steps

Organization of "communication platform" within the working group.....

Working group workshop (if possible in November).....

Elaboration of a common document (review) on sustainability challenges in buildings

.....

.....

Responsible Person

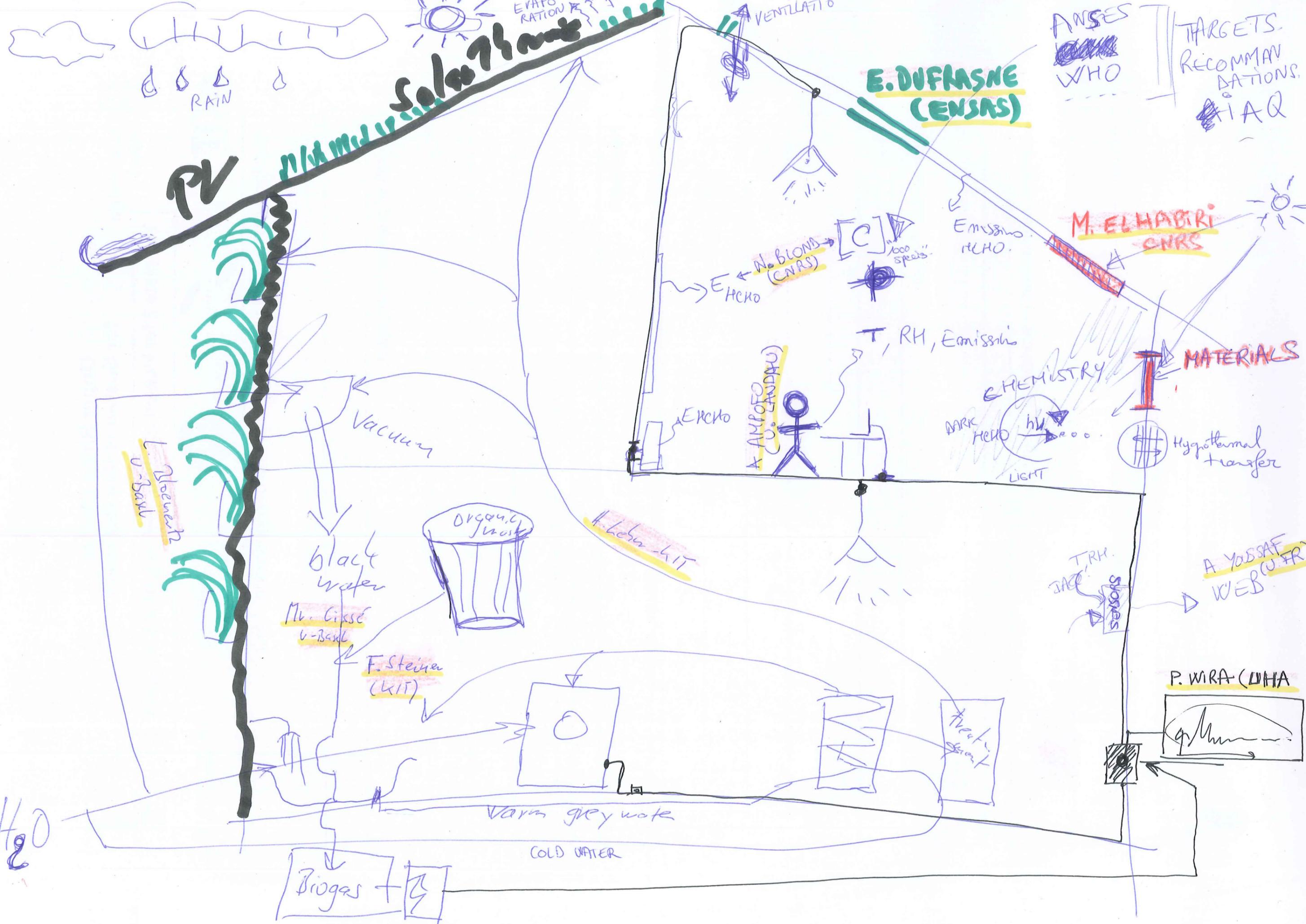
Helmut Lehn (KIT-ITAS).....

Members **committed** to working in the group

Nadège Blond (CNRS-LIVE), Gueladio Cissé (University of Basel).....

Patrice Wira (UHA-MIPS), Franka Steiner (KIT-ITAS).....

.....





Universität
Basel

Upper Rhine Cluster for Sustainability Research



Template 1 for Kick-off meeting, Freiburg 07./08.10.2016



Working Title (for joint project/thematic field of cooperation)/Axis 2

Working group on integrating individual/social differences (psychological, sociological) factors in modelling

Sketch of content:

- Gap: There is a methodological gap regarding the integration of human behavior into different types of models.
- Objective: Exchange between different disciplines to find methodologies to integrate human behaviour into modelling such as for example (but not limited to):
 - energy system models
 - or models on indoor air quality

Intended application(s) for funds:

Working group (internal funding within URCforSR)

Disciplines and Universities [(a) = already involved; (b) = looking for]

- Economics, Physics, Architecture, Psychology, Engineering
- Sociology, all other interested Partners

Group members (preliminary):

CNRS (Blond), KIT-DFIU (Schumacher, Mainzer), Uni Basel (Schubert), ENSAS (Dufrasnes), EIFER (Karl)

University of Strasbourg

Axis Transformations Processes and Technologies

Topic description



Karine Philippe
23/09/2016

1. Green economy: production and consumption

Sustainable consumption and production is an overarching objective and an essential requirement for sustainable development. It is key to protect natural resources and economic security. An overall definition would be “the design, production and use of services and related products, which respond to basic needs and bring a better quality of life while minimizing the use of natural resources and toxic materials as well as the emissions of waste and pollutants over the life cycle of the service or product”.

Expertise: technical, environmental sciences

Funding options:

LIFE call 2017

H2020: Bio-based products: Mobilisation and mutual learning action plan BB-05-2017 (single stage: february 2017)

H2020: Raw materials Innovation actions SC5-14-2016-2017 (2 stages: march 2017, september 2017)

2. Green economy: regulatory framework and business strategies

Deliberate policy and investment decisions will need to be taken by governments to green their economies, including the identification of priority sectors and the selection of the most appropriate policy instruments to deliver desired outcomes. They should consider policies that support poverty reduction, human well-being and job creation, whilst also driving resource and energy efficiency, carbon and emissions reduction, technological innovation and environmental protection.

Expertise: Economical and social sciences

Funding options:

H2020: Towards 2030 - policies and decision support tools for an integrated approach to the management of land as a resource RUR-03-2017 14 (2 stages: february 2017, september 2017)

H2020: Socio-eco-economics – socio-economics in ecological approaches SFS-29-2017(2 stages: february 2017, september 2017)

3. Green economy and health

Health can benefit from climate change mitigation. If society change their energy systems, change their methods of transport and modify intensive food production practices and consumer choices, then many positive health consequences will result.

Expertise: Public health, technical and social sciences

Axis 3

„Transformation Processes and Technologies“

Kick-off Workshop URCforSR

Stéphane Vuilleumier & Karine Philippe

Freiburg, 7th-8th October 2016



Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra



Fonds Européen de Développement Régional (FEDER)
Europäischer Fonds für Regionale Entwicklung (EFRE)
Dépasser les frontières : projet après projet
Der Oberrhein wächst zusammen, mit jedem Projekt



Presentation of the axis (Interreg proposal)



- A. Conflicts and conceptions of sustainable mobility
- B. Sustainable innovations and sustainable entrepreneurship
- C. Transformation processes and human well-being

Axis 3 within the cluster

	Cluster	Axis 3
Researchers	66	23
Projects ideas	39	14

➤ Objective: reorganize these project ideas in the 3 topics proposed

Axis 3 topics (based on project ideas)

- A. Green economy: production and consumption
- B. Green economy: regulatory framework and business strategies
- C. Green economy and health

3A. Green economy: production and consumption



- “the design, production and use of services and related products, which respond to basic needs and bring a better quality of life while minimizing the use of natural resources and toxic materials as well as the emissions of waste and pollutants over the life cycle of the service or product”
- Expertise: technical and environmental sciences

3B. Green economy: regulatory framework and business strategies

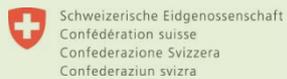
- consider policies that support poverty reduction, human well-being and job creation, whilst also driving resource and energy efficiency, carbon and emissions reduction, technological innovation and environmental protection
- Expertise: economical and social sciences

3C. Green economy and health

- Health can benefit from climate change mitigation. If society change their energy systems, change their methods of transport and modify intensive food production practices and consumer choices, then many positive health consequences will result.
- Expertise: Public health, technical and social sciences



Thanks for your attention
Any questions?



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 Europäischer Fonds für Regionale Entwicklung (EFRE)
 Dépasser les frontières - projet après projet
 Der Oberrhein wächst zusammen, mit jedem Projekt



Working Title (for joint project/thematic field of cooperation) / Axis

.....
Changing human health risks associated with ecosystems in the Upper Rhine catchment
.....

Sketch of content

- - Understanding the interplay between environmental factors of the different compartments (air, water, soil) and human and ecosystems health
- - Perception of people in the different countries about health hazards
- - Monitoring emerging pollutants (heavy metals; microplastics; pesticides; pathogens) and chronic diseases
- - Climate change effects on the risks of parasitic infections (human, mosquitoes)
-

Intended application(s) for funds

.....
EU : environmental, health
.....

.....
Any other opportunities, Big challenges
.....

Disciplines & Universities [(a) = already involved; (b) = looking for]

- (a).....
- Medicinal chemistry (UNISTRA);
- Environmental sciences, environmental epidemiology (Univ. Basel/ Swiss TPH)
- River basin management (FHNW)
.....
- Environmental biologist (Uni BASEL)
- Molecular epidemiology (Uni Freiburg)
.....

- (b).....
Sociology, toxicology, chemistry (Strasbourg ?), specialist in stream pollution (Landau?)
.....

Group members (preliminary)

.....
Guéladio Cissé (Basel), Christoph Hugi, Alexandra Nieters (Freiburg), Patricia Holm (Basel), Rolf Schäfer
.....
Helmüt Lehn (KIT), Eliáné Propeček (LIVE, UNISTRA), Davidoud-Charvát Elišaběth (UNISTRA)
.....
Max Bergman (Basel)
.....

Working Title (for joint project/thematic field of cooperation) / Axis

.....
Anthropogenic impact assessment in the Upper Rhine region
.....

Sketch of content

-
- Effects of pollution and remediation strategies
.....
-
- Anthropogenic impacts on human health in the Upper Rhine region
.....
-

Intended application(s) for funds

-
- Regions? Land?
.....
-
- Interreg, LIFE
.....

Disciplines & Universities [(a) = already involved; (b) = looking for]

- (a)..... - Medicine (Basel)
.....
-
- Environmental sciences : chemistry, biology, geophysics, remediation (Strasbourg)
.....
-
- Economy and health (Landau); Agent modelling (KIT)
.....
- (b)..... Social sciences
.....
-

Group members (preliminary)

.....
Valérie Geoffroy, Gaetana Quaranta, Ado Ampofo (Landau), Mirella Del Nero, Mourad Elhabiri,
Stéphane Vuilleumier, Gerhard Schäfer, Guéladio Cissé, Jérémy Rimbon, Laurence Jouniaux,
Jean François Brilhac (UHA), Eliane Propeck (LIVE, UNISTRA), Alexandra Nieters (Freiburg)
.....

Working Title (for joint project/thematic field of cooperation) / Axis

..... Anthropogenic impact on ecosystems and human health in the Upper rhine region

Sketch of content (elaborate!)

- - Working on systems: air, soil, water
- - Pollutants: nanoparticles, heavy metals, pesticides, pathogens, microplastics... ..
- - Human health: linking big data from environment and human health
- -Exacerbating effects of climate change, Perception of the risks of health hazards
- -Impact of politics decision and consumers attitude
- -Early indicators of health risks (bio-markers)

Next steps

- - Write an abstract & identify expertises in the Cluster and then outside the Cluster
- -Establish a state of the art on each competence
- - Prepare a workshop for the first trimester 2017
- -Identify grants opportunities
- -Keep communication through Skype meeting
- -Commit subgroups for proposal writing depending on the call
- -Apply for a COST action

Responsible Person

..... Guéladio Cissé (UNI BASEL)

Members **committed** to working in the group

..... Gueladio Cissé (Basel), Mourad Elhabiri (Unistra), Gaetana Quaranta (Unistra),

..... Alexandra Rieters (Freiburg), Valérie Geoffroy (Strasbourg), Patricia Holm (Basel) Helmut Lehn (KIT),

..... Eliane Propeck (LIVE, Strasbourg), Nino Kunzli (Basel), Jean François Brillhac (UHA Mulhouse),

..... Gwenael Imfeld (Strasbourg), Jeremy Rimbon (KIT), Ado Ampofo (Landau), Mirèlla Del Nero (Unistra),

..... Stéphane Vuilleumier (Unistra), Max Bergman (Basel), Gerhard Schäfer (Unistra),

..... Laurence Jouriaux (Unistra), Damien Mertz (Unistra)

Working Title (for joint project/thematic field of cooperation) / Axis

..... Exploring alternative biobased economies

Sketch of content

- - Indicators for a biobased economy
- - New products from traditional resources
- - Identification of new resources (waste...)

..... - Stakeholder dialogue in comparison to political goals

..... - Regional scenarios, learning from each other

..... - Identification of sustainable bioeconomy pathways

Intended application(s) for funds

..... Interreg, LIFE, H2020

Disciplines & Universities [(a) = already involved; (b) = looking for]

(a)..... Agriculture & forestry sciences (Freiburg)
..... Environmental sciences, chemistry (UNISTRA)
..... Material sciences (UNISTRA)

..... Social sciences (ITAS) Cultural sciences

(b)..... Social sciences

Group members (preliminary)

..... Valérie Geoffroy, Ado Ampofo, Martin Opferkuch, Stéphane Vuilleumier, Jérémy Rimbon,
..... Carmen Priefer, Rolf Meyer, Maria Boltoeva, Sylvie Béguin/Damien Mértz, Jean-François Brilhac
..... Max Bergman (Basel) Henri Rueff (Basel), Lena Bloemertz (Basel), Christoph Hugi (FHNW),
..... Oliver Frör (Landau)

Working Title (for joint project/thematic field of cooperation) / Axis

Exploring regional bioeconomy pathways and cross-border mutual learning

Sketch of content (elaborate!)

- Develop/ explore regional bioeconomy pathways for region in France, Switzerland, Germany
- Identify interesting value chains, industry
- Consider regional characteristics in biomass and waste availabilities, actor networks, viewpoints and interest of stakeholders, political goals etc.
- Mutual learning between regions

Next steps

- Analysis of existing industries, value chains in order to define regions
- Cooperation with Axis 5 for analysis of cultural aspects (Landau?)
- Look for funding opportunities : can we be integrated in any H2020 proposal especially "Bio-based products : Mobilisation and mutual learning action plan"
- Set up work packages on basis of expertise of members of the group

Responsible Person

Stéphane Vuilleumier (UNISTRA)

Members **committed** to working in the group

Stéphane Vuilleumier, Christoph Hugi, Philippe Corvini, Jean-François Brilhac, Jérémy Rimbon,
Rolf Meyer, Carmen Prierer



Upper Rhine Cluster for Sustainability Research



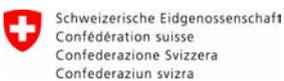
University of Freiburg

Axis Resource Management

Topics description for the kick-off workshop



Sebastian Brackhane & Ines Gavrilut
28/09/2016



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1. Sustainable management of the ecosystem Rhine and its benefits for socio-economic systems

The Rhine River is the lifeline of the Upper Rhine Valley and provides a wide range of ecosystem services including water and raw material supply, transportation, recreation and hydropower. However, the multiple uses put an enormous pressure on this vulnerable ecosystem, which may be further affected by climate change and invasive species. This interdisciplinary research group analyses the geological evolution and archaeology of the Rhine as well as current impact of social and economic demands on the ecosystem Rhine and the Rhine valley including aspects of international law and cultural diversity. Based on these analyses recommendations for future concepts will be developed.

Expertise: environmental, economic, social sciences

Funding options:

Horizon 2020

CIRC-02-2016-2017: Water in the context of the circular economy (two-stage, deadlines: 7 March 2017, 5 September 2017)

SC5-08-2017: Large-scale demonstrators on nature-based solutions for hydro-meteorological risk reduction (two-stage, deadlines: 7 March 2017, 5 September 2017)

German Ministry for Education, Research and Arts and WasserNetzwerk Baden-Württemberg Call for Proposals – Connecting Workshops within the Framework of the Water Research Funding Program of the Land Baden-Württemberg (deadline for proposals: 24 October 2016).

2. Functional Biodiversity

Functional diversity is a component of biodiversity that generally concerns the range of services that organisms provide in communities and ecosystems. Functional diversity explains and predicts the impact of organisms on the function of ecosystems. Thus, it is important for the provision of specific ecosystem services in agriculture and forestry. The study of functional biodiversity should start with the definition of agro-ecosystem functional groups comprising all elements that interact with the desired service, and the consequent determination of the role of diversity within these functional groups for the fulfilment of the agro-ecosystem service.

Expertise: environmental, economic

Funding options:

Horizon 2020

SC5-32-2017: Biodiversity scenarios (single-stage, deadline: 7 March 2017)

COST Action

Linking belowground biodiversity and ecosystem function in European forests (BioLink) (End of action: 13 May 2018).

3. Biomass 2.0 and the Green Economy

The EU has set the goal of building a competitive, low carbon and resource efficient economy by 2050. In this context, the concept of bioeconomy is a key component as it aims to enable a sustainable use of renewable biological resources. This requires new concepts for biomass use which shall be analysed in the framework of new political bioeconomy goals. This research group will analyse interdisciplinary aspects of the transition towards bioeconomy goals. The changes and threats related to human welfare, nature, economy and social systems will be discussed. In respect to sustainable biomass use primary and secondary production systems have to be considered. Key areas of research may be: biogas, lignocellulose, microalgae.

Expertise: environmental, economic, technical

Funding options:

Horizon 2020

BB-02-2017: Towards a method for the collection of statistical data on bio-based industries and bio-based products (two-stage, deadlines: 14 February 2017, 13 September 2017)

SC5-14-2016-2017: Raw materials Innovation actions (two-stage, deadlines: 7 March 2017, 5 September 2017)

SC5-13-2016-2017: New solutions for sustainable production of raw materials (single-stage, deadline: 7 March 2017)

COST Actions

European network for algal-bioproducts (EUALGAE) (End of action: 23 March 2019)

Valorisation of lignocellulosic biomass side streams for sustainable production of chemicals, materials & fuels using low environmental impact technologies (End of action: 14 May 2018)

Performance of bio-based building materials (End of action: 21 October 2017)

Agence nationale de la recherche (ANR) – Appel à projets générique 2017 (two-stage, deadlines: stage 1 - 27 October 2016, stage 2 - April 2017); Relevant call: Défi sociétal 5 «Sécurité alimentaire et défi démographique : ressources biologiques, exploitation durable des écosystèmes et bio-économie».

4. Risk and uncertainty of human-environment systems

The natural environment poses various risks and related uncertainties to human wellbeing. Of particular importance are risks and uncertainties related to the acceleration of natural, technical and societal transformation processes. Despite increasing risk complexity, handling strategies remain punctual, disciplinary segregated and static. This research group will analyse the risk situation and develop new inter- and transdisciplinary research topics, including simulations and scenario development, that would help develop holistic foresight mitigation and adaptation strategies for the specific risks and uncertainties.

Expertise: environmental, economic, medical, technical

Funding options:

COST Action: Epigenetic Chemical Biology (EPICHEM) (End of action: 23 March 2019).

Thematic Axis 4: Resource Management



Chair: Prof. Dr. Barbara Koch
University of Freiburg

Axis description

What resources do we mean?

Human resources
Technical resources
Economical resources
Natural resources

All these resources are interlinked and need to be managed sustainable



Axis description

The focus of resource management is in general defined as management of natural resources under changing environmental and social conditions

Objective is to achieve sustainable development to meet the needs of human life now and in future.

For this intelligent management of our natural environment is needed to provide an era of economic growth without endangerment of human welfare



Axis description

Relevant subfields:

- Land-use conflicts, resource competitions and collaboration
- Biodiversity as a tool for production systems
- Concepts for cross-border solutions for conflicts of aims concerning ecosystem services



Proposed topics

- **Sustainable management of the ecosystem Rhine and its benefits for socio-economic systems:** ecosystem services, geological evolution and archaeology of the Rhine river, as well as current impacts and services of social and economic demands on the ecosystem Rhine
- **Functional Biodiversity:** defining functional groups of organisms influencing a given agro-ecosystem service, and determining the role of biodiversity within these functional groups regarding the service fulfilment
- **Biomass 2.0 and the Green Economy:** analysing the transition towards bioeconomy goals from an interdisciplinary perspective, including aspects such as the changes and threats related to human welfare, nature, economy and social systems
- **Risk and uncertainty of human-environment systems:** analysing risk and uncertainty related to human-environmental systems, notably those related to the acceleration of natural, technical and societal transformation processes; developing foresight mitigation and adaptation



Funding opportunities (1)

- **Horizon 2020:** largest EU Research and Innovation programme with nearly €80 billion of funding available over 7 years (2014 to 2020). Relevant 2016-2017 Work Programmes: Climate action, environment, resource efficiency and raw materials; Food security, sustainable agriculture and forestry, marine and maritime and inland water research and the bioeconomy; Cross-cutting activities; 2018-2020 Work Programme to be published in autumn 2017.
- **COST Actions:** science and technology networks centred around nationally funded research projects in fields that are of interest to at least five COST countries; in average EUR 130 000 per year for a four-year period; no funding for research itself.
- **LIFE Programme:** EU's funding instrument for the environment and climate action; €3.4 billion for the funding period 2014-2020. Upcoming opportunity: 2017 Call for proposals for LIFE Grants. "Traditional" projects cover the following priority areas: LIFE Nature & Biodiversity; LIFE Environment & Resource Efficiency; LIFE Environmental Governance & Information; LIFE Climate Change Mitigation, LIFE Climate Change Adaptation **60%**



Funding opportunities (2)

- **Joint Proposal Submission with Austria and Switzerland (D-A-CH):** Collaboration based on a partnership between DFG (German Research Foundation), FWF (Austrian Science Fund, Austria) and SNSF (Swiss National Science Foundation, Switzerland) regarding the mutual opening of the respective funding programmes ("Lead Agency" process), with the goal of simplifying the mobility of researchers and the execution of cross-border research projects.
- **French-German funding opportunity in the Natural, Life and Engineering Science:** Agence Nationale de la Recherche (ANR) and the Deutsche Forschungsgemeinschaft (German Research Foundation, DFG) advanced a joint funding initiative open to all fields of the Natural, Life and Engineering Sciences including interdisciplinary research. A two-step procedure applies. Registration: Each joint proposal has to be registered by the French applicants at the dedicated ANR website by **27th October 2016**, 13h CET (Paris-Time). The deadline for the submission of full proposals to the ANR will be in **early April**



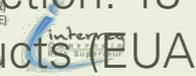
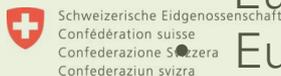
Funding opportunities – specific EU calls

- **Horizon 2020**

- CIRC-02-2016-2017: **Water in the context of the circular economy** (two-stage, deadlines: 7 March 2017, 5 September 2017); 6-8 EUR million
- SC5-08-2017: **Large-scale demonstrators on nature-based solutions for hydro-meteorological risk reduction** (two-stage, deadlines: 7 March 2017, 5 September 2017); 12 EUR million
- SC5-32-2017: **Biodiversity scenarios** (single-stage, deadline: 7 March 2017); 7 EUR million
- BB-02-2017: **Towards a method for the collection of statistical data on bio-based industries and bio-based products** (two-stage, deadlines: 14 February 2017, 13 September 2017); 6 EUR million
- SC5-14-2016-2017: **Raw materials Innovation actions** (two-stage, deadlines: 7 March 2017, 5 September 2017); 8-13 EUR million
- SC5-13-2016-2017: **New solutions for sustainable production of raw materials** (single-stage, deadline: 7 March 2017); 3-7 EUR million.

- **COST Actions**

- Linking belowground biodiversity and ecosystem function in European forests (BioLink) (End of action: 13 May 2018)
- European network for algal-bioproducts (EUALGAE) (End of action: 23 March 2019)



Key outputs expected from this workshop

- Define clear and focused research topics
- Set clear goals for existing funding opportunities
- Identify disciplines and areas of expertise needed





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Upper Rhine Cluster for Sustainability Research



Template 1 for Kick-off meeting, Freiburg 07./08.10.2016



Working Title (for joint project/thematic field of cooperation)/axis 4

Land use in the Upper Rhine Region and its impacts on ecosystem services across scales
(time/space)

Sketch of content:

- Focus on agricultural land use in specific areas of the URR, considering yields, ecology, economic and social valuation, governance, stakeholders
- Goal of determining impact of agricultural land use on ecosystem vitality, resilience and ability to cope with the impacts of climate change
- Using past as context or analog for future: compare past and present land use to assess historic "natural state" ecosystems and make future projections

Intended application(s) for funds:

INTERREG Upper Rhine, D-A-CH, ANR-DFG, FRIAS
Horizon 2020, COST Actions

Disciplines and Universities [(a) = already involved; (b) = looking for]

- (a) Uni Basel: economics, landscape dynamics, geocology; Uni Landau: ecosystem analysis, environmental economics; Uni Freiburg: biology, geobotanics;
- (b) agronomy, governance, insurance, hydrology and geochemistry

Members committed to working in the group

To be confirmed: Dr. Henri Rueff (Uni Basel), Dr. Laura Rose (Uni Freiburg), Dr. Lena Bloemertz (Uni Basel), Prof. Dr. Martin Entling (Uni Landau), Sören Weiß (Uni Landau), Paul Averbeck (Uni Landau), Prof. Dr. Barbara Koch (Uni Freiburg), Dr. Marie-Eve Reinert (EIFER), Assist. Prof. Quaranta Gaetana (Uni Strasbourg), Mathieu Schuster (Uni Strasbourg), Dr. Martin Opferkuch (Uni Freiburg), Dr.-Ing. Jérémy Rimbon (KIT), Thomas Gross (FHNW), Dr. Claire Rambeau (Uni Freiburg)



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Upper Rhine Cluster for Sustainability Research



Template 2 for Kick-off meeting, Freiburg 07./08.10.2016



Working Title (for joint project/thematic field of cooperation)/axis 4

Integrating multiple ecosystem services into the management of polders in the Upper Rhine Region

Sketch of content:

The Upper Rhine Region (URR) has an important function of flood control in the Middle and Lower Rhine. Given the straightening of the Upper Rhine in the 19th century, over 100 square kilometres of flood plain have been lost, which greatly increased flood risk in the Middle Rhine. This trend is further exacerbated by the effects of climate change. As part of the Integrated Rhine Programme (IRP), the riparian states of France, Baden-Württemberg and Rhineland-Palatinate have taken a number of steps to create water retention areas in order to reduce downstream flooding. One key measure was the designation of polders, which are floodplains serving as natural water retention areas.

Polders may be associated with increased biodiversity and other ecosystem services. This may be the case even when they are used for low intensity agriculture. Assuming that polder planning and management are based primarily on the evaluation of flood retention capacity, this project aims to identify and evaluate ecosystem services beyond flood retention (e.g. biodiversity, GHG balance and carbon sequestration, enhanced water quality, pollination, recreational value) with a view to providing holistic information for polder management in the URR. The evaluation of ecosystem services will be done using an interdisciplinary and transboundary approach, focusing on polders under different management regimes, and using methods such as economic valuation.

Next steps

- Literature review to find research gap and most relevant areas of focus
- Research of possible funding opportunities, focusing primarily on smaller grants
- Enabler to circulate initial concept note to collect ideas on research gap, project focus and funding opportunities envisaged (e.g. ANR-DFG, D-A-CH, INTERREG Upper Rhine)
- Contact persons involved in polder planning in the URR to find out missing information
- Concept note to be elaborated and circulated
- Find French partners and consolidate working group

Responsible person - preliminary

Vacant (interim: Ines Gavrilut, enabler)

Members committed to working in the group

Dr. Henri Rueff (Uni Basel), Dr. Laura Rose (Uni Freiburg), Dr. Lena Bloemertz (Uni Basel), Prof. Dr. Martin Entling (Uni Landau), Sören Weiß (Uni Landau), Paul Averbeck (Uni Landau)

To be contacted: Prof. Dr. Barbara Koch (Uni Freiburg), Dr. Marie-Eve Reinert (EIFER), Assist. Prof. Quaranta Gaetana (Uni Strasbourg), Mathieu Schuster (Uni Strasbourg), Dr. Martin Opferkuch (Uni Freiburg), Dr.-Ing. Jérémy Rimbon (KIT), Thomas Gross (FHNW), Dr. Claire Rambeau (Uni Freiburg)



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Upper Rhine Cluster for Sustainability Research



Template 2 for Kick-off meeting, Freiburg 07./08.10.2016



Working Title (for joint project/thematic field of cooperation)/axis 4
Rhine ecology

Sketch of content:

- Floodplain ecology
- Flood protection, floodplain and channel restoration
- Invasive and threatened species
- Protected areas and comparing management strategies

Next steps

- Short summary (1/2 page)
- Contact missing experts
- Establish the think tank “Rhine River Hydrosystems”
- Apply for funding from the “Connecting Workshops within the Framework of the Water Research Funding Program of the Land of Baden-Württemberg”. Deadline: 24 October 2016
- Apply for funding from French-German funding opportunity in the Natural, Life and Engineering Sciences (ANR-DFG) in 2017

Responsible person - preliminary

Vacant (interim : Sebastian Brackhane)

Members committed to working in the group

Prof. Dr. Albert Reif, Nicolas Schoof, Dr. Benoit Sittler, Prof. Dr. Martin Entling, Prof. Dr. Patricia Holm,

To be contacted: Prof. Dr. Gerhard Schäfer, Gwenael Imfeld, Jean-Nicolas Beisel, Dr. Christian Damm, Corinne Grac, Laurent Hardion, Gregory Egger, Prof. Dr. Florian Wittman



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Upper Rhine Cluster for Sustainability Research



Template 2 for Kick-off meeting, Freiburg 07./08.10.2016



Working Title (for joint project/thematic field of cooperation)/axis 4

Long-term temporal trajectory of the Rhine hydrosystem – from the beginning of the Holocene up to now

Sketch of content:

- Understand the past to develop more meaningful conservation strategies
- Evolution of the Rhine
- Local climate and associated water flux
- Land use history and past biodiversity (historical mapping)

Next steps

- Short summary (1/2 page)
- Contact missing experts
- Establish the think tank “Rhine River Hydrosystems”
- Apply for funding from the “Connecting Workshops within the Framework of the Water Research Funding Program of the Land of Baden-Württemberg”. Deadline: 24 October 2016
- Apply for funding from French-German funding opportunity in the Natural, Life and Engineering Sciences (ANR-DFG) in 2017

Responsible person - preliminary

Claire Rambeau and Laurent Schmitt

Members committed to working in the group

Dr. Willy Tegel (Freiburg), Prof. Dr. Martin Entling (Landau), Carmen de Jong (Strasbourg), Frank Preusser, Benoit Sittler (both Freiburg)

To be contacted: Brice Martin (Mulhouse), Prof. Dr. Florian Wittman, Dr. Christian Damm (both Karlsruhe)



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Upper Rhine Cluster for Sustainability Research



Template 2 for Kick-off meeting, Freiburg 07./08.10.2016



Working Title (for joint project/thematic field of cooperation)/axis 4

Water flux and water quality as an integrative indicator for ecosystem health

Sketch of content:

- Land use change and its impacts on water quality and water flux
- Climate change and its impacts on water quality and water flux

Next steps

- Short summary (1/2 page)
- Contact missing experts

Responsible person - preliminary

Gerhard Schäfer (UNISTRA) and Jens Lange (Uni Freiburg)

Members committed to working in the group

Laurence Jouniaux (UNISTRA), Prof. Dr. Gerhard Schäfer (UNISTRA), Carmen de Jong, Laurent Schmitt (UNISTRA), Renaud Toussaint (DR CNRS), Gwenaël Imfeld (UNISTRA), Prof. Dr. Jens Lange (Uni Freiburg), Dr. Michael Stölzle (Uni Freiburg), PD Dr. Dirk Schindler (Uni Freiburg), Prof. Dr. Patricia Holm (Uni Basel)

University of Koblenz-Landau / Université de Haute-Alsace

Axis 5: Multiculturalism, multilingualism and sustainable development



Discussion Paper

Melanie Ströbel & Axelle Lutz
27/09/2016

THEMES IN AXIS 5

At the core of Axis 5 is an examination of the role of multilingualism and multiculturalism in the context of sustainability. This axis offers a social sciences approach. It explores the influence of different languages and cultures on human capital and education, consumer behavior, discourses, and research. Its value lies in its comparative cross-national approach, which will both broaden and deepen our understanding of potentials and barriers for a sustainability transition.

While the proposals may be explored individually, several can be adapted to make a valuable contribution to the engineering and natural sciences-focused topics proposed throughout the cluster. Understanding consumer behavior and the representation of sustainability in media, business, and politics are aspects that would not only complement research in axes 1 to 4, but would also ensure the interdisciplinarity that funding agencies call for.

THEME 1: HUMAN CAPITAL AND EDUCATION

The research proposed under Theme 1 pursues different approaches to the nexus of sustainability, language, and education. The proposals put forward here see education as a crucial factor in promoting the social, environmental, and economic dimensions of sustainability. Therefore, research will explore the operationalisation and implementation of sustainability in education and in the working environment; it will also engage with the effectiveness of associated measures. A focus on the Upper Rhine region (though this is not essential) allows comparing different national and regional approaches and their effects in a geographically limited area. It draws attention to the effects of language and culture as well as to the importance of linguistic and cultural diversity; this diversity can also be seen as a resource itself that needs to be sustained.

Research proposals contributing to this theme:

- (1) Sustainability in Education
- (2) Sustainable policy about bilingual education in the Upper Rhine context
- (3) Evaluation of intercultural and cross-border competences in companies
- (4) Adults in the second half of life as trainers who sustain skills development with younger adults
- (5) Inheritance in pedagogy
- (6) Sociolinguistics – sustaining lingual and cultural diversity

THEME 2: DETERMINANTS OF HOUSEHOLD CONSUMPTION BEHAVIOR – CROSS-BORDER / CULTURAL PERSPECTIVES

This theme investigates variations in consumption in the cross-border region and beyond. In particular, it explores the effects of language and culture (and linguistic and cultural differences) on consumption as well as on the potentials and barriers for behavioural change. Its thematic focus is not predetermined in order to allow researchers to decide on an area of interest or to contribute to one of the larger research projects in axis 2 to 4, e.g. on mobility, energy consumption or the uptake of renewable energy by consumers.

Respective research proposal:

- (7) Individual willingness for change – cross-border differences

THEME 3: THE INFLUENCE OF CULTURE AND LANGUAGE ON THE UNDERSTANDING AND REPRESENTATION OF SUSTAINABILITY, GROWTH, AND DEVELOPMENT

The research proposals in this theme engage with the understanding and representation of sustainability in different settings; with a focus on the influence of culture and language. This entails examining definitions and the various associated concepts around growth, as well as concept use in mass media and business. Within the theme, research can take both a theoretical and an empirical approach.

While the proposals are research projects in their own right, they can easily be adapted to contribute to emerging or ongoing research projects outside of Axis 5. They are able to offer a social sciences perspective that can take account of linguistic, cultural, and socio-economic determinants for different areas of consumption. For example, researchers may add a review of how sustainability more broadly or eco-mobility, car-sharing and the bio-economy more specifically, are presented in discourses of different actors, from media to politics and business.

Research proposals:

- (8) Understandings of sustainability
- (9) The representation of new concepts around growth in public discourse
- (10) Sustainability and its representation in the mass media
- (11) Sustainable business – linguistic and cultural determinants of change
- (12) Advertising sustainability/Green advertising

THEME 4: CULTURAL AND LINGUISTIC ASPECTS OF DOING CROSS-BORDER RESEARCH

The aim of this theme is to gather information and develop a deep understanding of conducting research across borders. It will explore and disseminate differences with respect to research culture, cultural differences in general, linguistic issues (e.g. around translation), etc. In addition to exploring these differences, the project also aims to support ongoing research within the Cluster. A long-term aim might be to create a centre of expertise on cross-border research.

Research proposal:

- (13) Doing cross-border research

Axis 5

Multiculturalism, multilingualism and sustainable development

Presentation at URCforSR Kick-Off
7 October 2016, Freiburg

Heads

Prof. Dr. Oliver Frör (Universität Koblenz-Landau)
Florence Duchêne-Lacroix (Université Haute-Alsace)

Enabler

Dr. Melanie Ströbel (Universität Koblenz-Landau)
Axelle Lutz (Université Haute-Alsace)



Schweizerische Eidgenossenschaft
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Confederaziun svizra



Fonds Européen de Développement Régional (FEDER)
Europäischer Fonds für Regionale Entwicklung (EFRE)
Dépasser les frontières : projet après projet
Der Oberrhein wächst zusammen, mit jedem Projekt

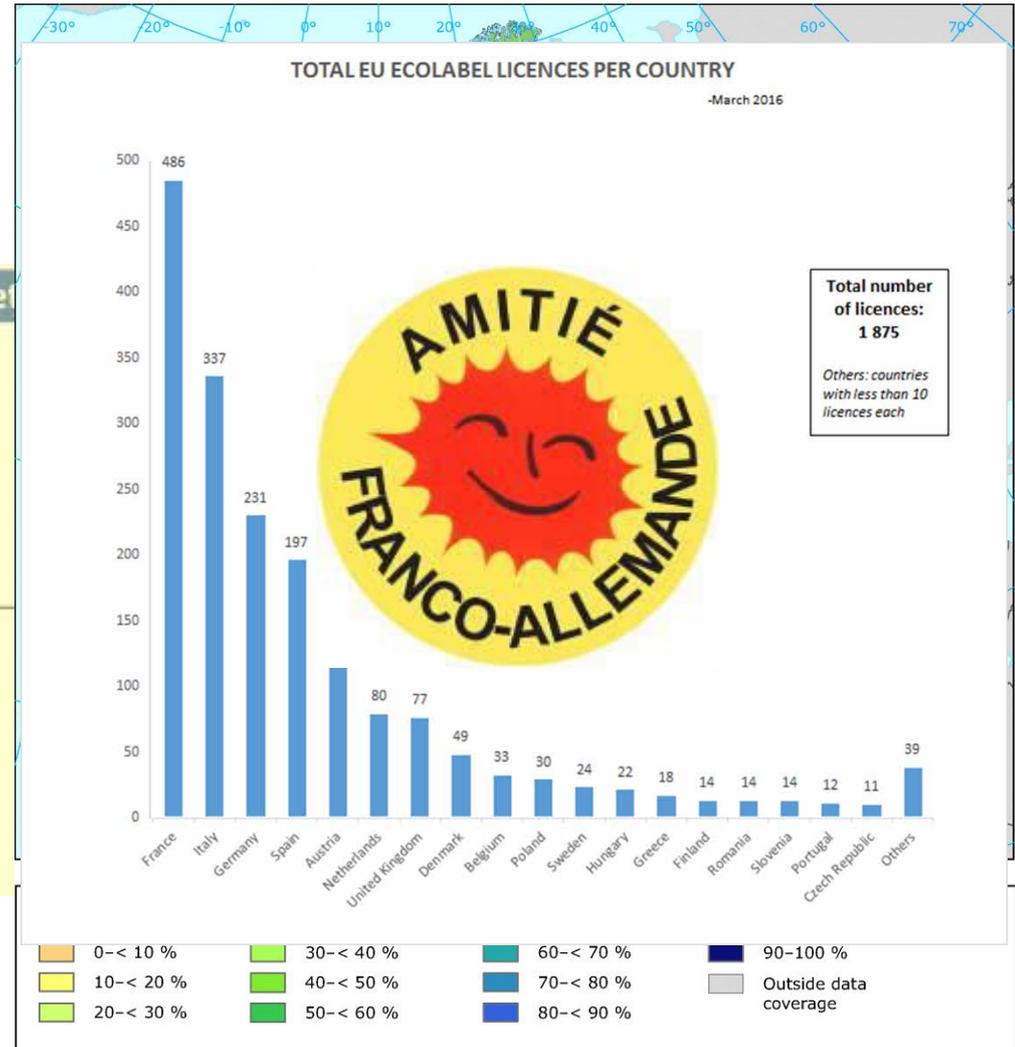
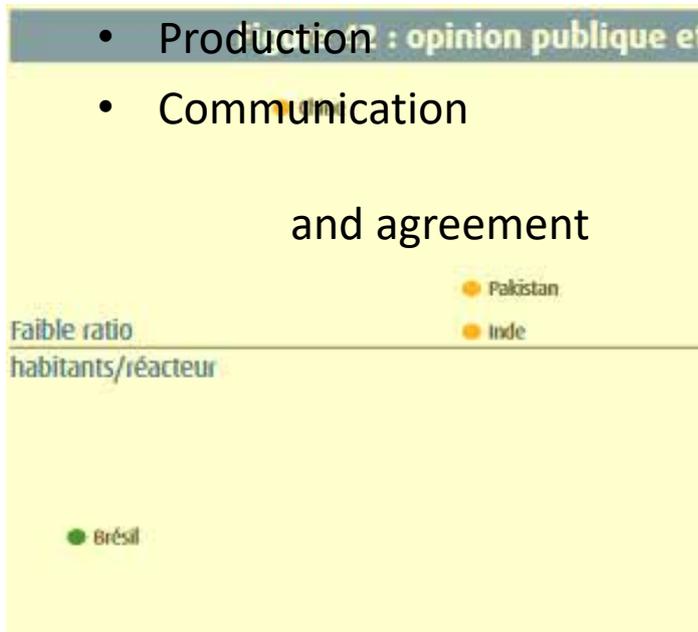


Context

National and regional variations in

- Perception
- Behaviour
- Production : opinion publique et
- Communication

and agreement



http://www.developpement-durable.gouv.fr/IMG/pdf/L_gouvernement_en_France_Edition_2014_2.pdf
http://www.ec.europa.eu/environment/eco_policy/waste/municipal_recycling-rates-for-municipal-regional-recycling-rates-for-municipal/Map_2.1_Municipal-waste_2008_2009_version3-big.eps.75dpi.gif/download

Overview Axis 5

- Explores variations in the thinking and implementation of sustainability in the Upper Rhine region and beyond
- Focus on language and culture and their diversity
- Interdisciplinary expertise: economists, linguists, sociologists, environmental scientists
- Key themes: education, consumers, discourse

Themes and links within the Cluster

Axis 5

1. Human capital and education
2. Determinants of household consumption behaviour – cross-border / cultural perspectives
3. The influence of culture and language on the understanding and representation of sustainability, growth, and development
4. Cultural and linguistic aspects of doing cross-border research

Links

Axis 1: Ecology for all
Axis 2: (e-)mobility solutions
Axis 3: Bio-based green economy;
Metropolitan mobility

Axis 1: Ecology for all;
Sub-national sustainability;
Urbanism
Axis 2: (e-)mobility solutions
Axis 3: Bio-based green economy;
Rhine Travellers;
Metropolitan mobility

1. Human capital and education

- Proposals link education, sustainability, language, and culture
- Learning is seen as key factor in achieving ecological, economic, and social dimensions of sustainability
- Approach: cross-border comparisons and developing ways forward
- Research Proposals
 - (1) Sustainability in Education
 - (2) Sustainable policy about bilingual education in the Upper Rhine context
 - (3) Evaluation of intercultural and cross-border competences in companies
 - (4) Adults in the second half of life as trainers sustaining skills development with younger adults
 - (5) Inheritance in pedagogy
 - (6) Sociolinguistics – sustaining lingual and cultural diversity

2. Determinants of household consumption behaviour - cross-border / cultural perspectives

- Consumption in the cross-border region and beyond
- Explores:
 - Effects of language and culture
 - Potentials and barriers for change
- Research Proposal:
(7) Individual willingness for change – cross-border differences
- Thematic focus: open
- Possibility to contribute consumer perspective to proposals engaging with mobility, energy consumption, renewable energy uptake, etc.

3. Influence of culture and language on the understanding and representation of sustainability, growth & development

- Focus on relationship between language, culture, and discourses around sustainability
 - Elucidate understandings and the use of 'sustainability'
 - Explore implications of discourses
- Research proposals:
 - (8) Understandings of sustainability
 - (9) The representation of new concepts around growth in public discourse
 - (10) Sustainability and its representation in the mass media
 - (11) Sustainable business – linguistic and cultural determinants of change
 - (12) Advertising sustainability/Green advertising
 - Possibility to contribute to proposals in other axes by analysing texts and spoken words in respective settings

4. Cultural and linguistic aspects of doing cross-border research

- Develop a richer understanding on conducting research across borders
- Explore implications of:
 - Cultural differences (e.g., research cultures)
 - Linguistic issues
- Offer expertise to other projects in our cluster and beyond
- Research proposal:
(13) Doing cross-border research

In conclusion

- Interdisciplinary axis
- Focus on the implications of culture, language and its diversity for sustainability
- Mix of stand-alone projects and add-ons to other research in the cluster

THANK YOU!



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Upper Rhine Cluster for Sustainability Research



Template 1 for kick-off meeting, Freiburg 07./08. 10. 2016



Working Title (for joint project/thematic field of cooperation) / Axis

Household energy consumption & sustainability / 5

Sketch of content

.....
.....
.....

Intended application(s) for funds

tbd.
.....
.....

Disciplines & Universities [(a) = already involved; (b) = looking for]

(a) University of Basel, University Koblenz-Landau,
UHA

(b).....
.....

Group members (preliminary)

Schubert (kachi), Frör, Wodociag
[Rimbon (KIT), Schumacher (KIT)]



Fonds Européen de Développement Régional FEDER
Europäischer Fonds für Regionale Entwicklung (EFRE)
Dispositif de financement régional pour le projet
De Ökonomie und der Umwelt, im Rahmen des Projekts



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Upper Rhine Cluster for Sustainability Research



Template 2 for kick-off meeting, Freiburg 07./08. 10. 2016



Working Title (for joint project/thematic field of cooperation) / Axis

..... Household energy consumption & sustainability / 5

Sketch of content (elaborate!)

..... Assessment of household energy use (electricity, heating, mobility); determinants of energy behaviour (socio-economic, psychological, ^{cultural} social context); choice experiments of energy consumption; policy recommendations.....

Next steps

- Adaptation of existing swiss questionnaire.....
- Explore ^{DIF} funding opportunities / personnel planning.....
- Time schedule.....
- working group meeting (Jan 2017?).....

Responsible Person

..... Frör / Ströbel.....

Members **committed** to working in the group

..... Frör / Ströbel (University Koblenz - Landau).....

..... Schubert (University Basel).....

..... Wodociag (UHA).....



Fonds Européen de Développement Régional FEDER
Schweizerischer Fonds für Regionale Entwicklung SFRO
Operational Programme 2014-2020
Der Ökonomie- und Energie-Cluster



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Upper Rhine Cluster for Sustainability Research



Template 1 for kick-off meeting, Freiburg 07./08. 10. 2016



UNIVERSITÉ DE STRASBOURG



UNIVERSITÉ
HAUTE-ALSACE

UNIVERSITÄT
KOBLENZ-LANDAU

Working Title (for joint project/thematic field of cooperation) / Axis

The influence of culture and language on the understanding and representation of sustainability, growth and development / 15

Sketch of content

Sustainability and new concepts around growth and their representation (discourse, rhetoric, visualisation) in different media and different cultural contexts

Intended application(s) for funds

(Volkswagen Stiftung); ANR-DTG Geistes- und Sozialwissenschaften; Open Research Area for the Social Sciences

Disciplines & Universities [(a) = already involved; (b) = looking for]

(a) University of Koblenz-Landau, University of Freiburg, University of Strasbourg

sociology, media studies, economics, environmental sciences

(b) Swiss partner; linguists

Group members (preliminary)

Zemanek, Schlechtriemen, Frer, Ströbel, Koehrsen
[de Jong?; Kopfmüller?; Hamman?] > tbc



French European & Development Regional (FEDER)
Généralistes Fonds (Généralistes Emplacements) (GFE)
Dossier: les Amériques / projet avec soutien
Des Océans (soutien financier) / projet



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Upper Rhine Cluster for Sustainability Research



Template 2 for kick-off meeting, Freiburg 07./08. 10. 2016



UNIVERSITÉ DE STRASBOURG



UNIVERSITÉ
HAUTE-ALSACE

UNIVERSITÄT
KOBLENZ-LANDAU

Working Title (for joint project/thematic field of cooperation) / Axis

The influence of culture and language on the understanding and representation of sustainability, growth and development / 5

Sketch of content (elaborate!)

Sustainability and new concepts around growth and their representation (discourse, rhetoric, visualization) in different media and different cultural contexts.

Next steps

- clarify funding opportunities and respective format to take forward (ie. potential to fund positions, workshops or otherwise)
- clarify and confirm participants
- clarify thematic interest
- develop abstract
- plan workshop

Responsible Person

TBD (Ströbel, preliminary)

Members **committed** to working in the group

Zemanek (University Freiburg); Schlechtriemen (University Freiburg); Ströbel / Frör (University Koblenz-Landau); Köhnen (University Basel)



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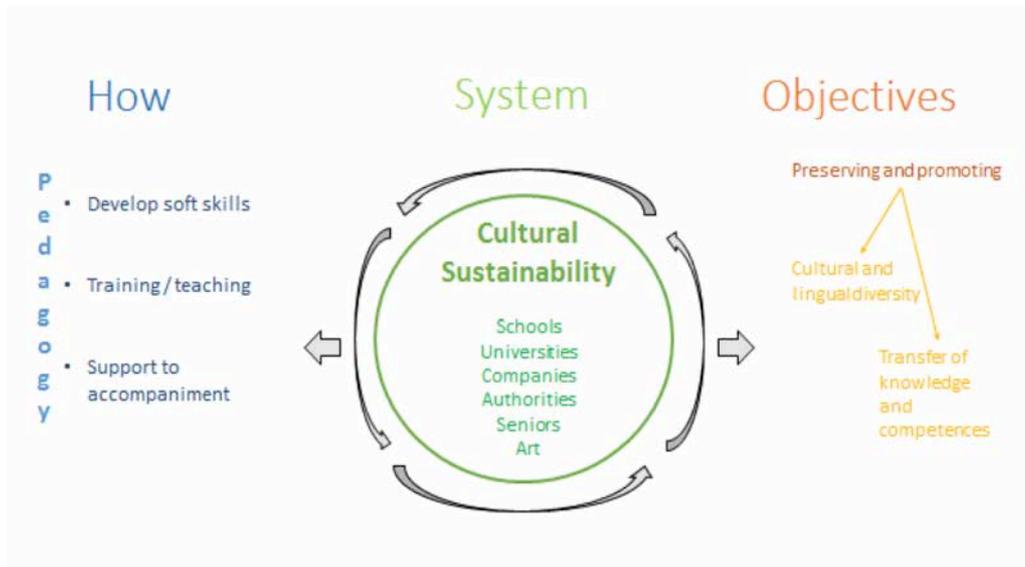
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Working Title (for joint project/thematic field of cooperation)/axis 5
Cultural Sustainability Education: a system of interactions

Sketch of content:

Over the years, since the Antiquity from today, meetings points contributed to create a cultural identity of Upper Rhine. Those points evolved in time and sometimes attended to disappear. In order to preserve and promote the identity this study aims to identify what still exists and to reinforce them and transmit and transfer them over the generations, contexts and fields. They want to take into account foreign influences from outside to think the Upper Rhine as an integrative culture in order to be prepared for the future.



Intended application(s) for funds:

ANR-DFG, THYSSEN, Université franco-allemand, INTERREG, FRIAS, D-A-CH, ORA, Life, Fondation de France

Disciplines and Universities [(a) = already involved; (b) = looking for]

- (a) Uni Landau: Linguistics; Uni Freiburg: Media and culture studies; UHA: Management, education and sciences; Uni Basel
- (b) Jana Guinte from UHA

Group members (preliminary):

Sabine DIAO-KLAEGER, Johann CHALMEL, Evi ZEMANEK, Sophie WODOCIAG, Dominique KERN, Loïc CHALMEL, Holga KOTTHOFF – Herr Gründer?



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Upper Rhine Cluster for Sustainability Research



Template 2 for Kick-off meeting, Freiburg 07./08.10.2016



Working Title (for joint project/thematic field of cooperation)/axis 5
Meeting points for the cultural sustainability in upper Rhine

Sketch of content:

Over the years, since the Antiquity from today, meetings points contributed to create a cultural identity of Upper Rhine. Those points evolved in time and sometimes attended to disappear. In order to preserve and promote the identity this study aims to identify what still exists and to reinforce them and transmit and transfer them over the generations, contexts and fields. They want to take into account foreign influences from outside to think the Upper Rhine as an integrative culture in order to be prepared for the future.



Next steps

- Research of possible fund raising
- Meeting before the Opening Event – 22.11.2016 – 12h-15h
- Definition of the preliminary project
- Consolidation of the group

Responsible person

Sophie Wodociag – UHA, Sabine Diao-Klaeger – UNIKOLD, Johann Chalmel – NovaTris - UHA

Members committed to working in the group

Sabine DIAO-KLAEGER, Johann CHALMEL, Evi ZEMANEK, Sophie WODOCIAG, Dominique KERN, Loïc CHALMEL, Holga KOTTHOFF – Herr Gründer? Jana Guinte (?)

List of Participants

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