

Upper Rhine Cluster for Sustainability Research

Researchers Profil

Name, Position & Affiliation

Barbara Koch

Professor

*Chair of Remote Sensing and Landscape Information
Systems, University of Freiburg*



Expertise in relation to the topics of the URCforSR (include max. 3 related and recent publications)

MAACK, J.; LINGENFELDER, M.; WEINACKER, H.; KOCH, B. (2016). Modelling the standing timber volume of Baden – Württemberg – A large-scale approach using a fusion of Landsat, airborne LiDAR and National Forest Inventory data. In: International Journal of Applied Earth Observation and Geoinformation 49: 107-116. <http://DOI: 10.1016/j.jag.2016.02.004>.

HOOMAN, L.; FASSNACHT, F.; HARTIG, F.; BERGER, C.; HERNÁNDEZ, J.; CORVALÁN, P.; KOCH, B. (2015): Stratified aboveground forest biomass estimation by remote sensing data. In: International Journal of Applied Earth Observation and Geoinformation 38 (0), S. 229–241. DOI: 10.1016/j.jag.2015.01.016.

KATTENBORN, T.; MAACK, J.; FAßNACHT, F.; ENßLE, F.; ERMERT, J.; KOCH, B. (2015): Mapping forest biomass from space – Fusion of hyperspectral EO1-hyperion data and Tandem-X and WorldView-2 canopy height models. In: International Journal of Applied Earth Observation and Geoinformation 35, Part B (0), S. 359–367. DOI: 10.1016/i.iag.2014.10.008.

Special Interests in the topics of the URCforSR

2 b) Dezentrale erneuerbare Stromerzeugung und Reduktion des Stromverbrauchs

2 c) Nachhaltige und Resiliente Energiesysteme.

4) Management and development of natural resources.

What you are searching for regarding the cooperation within the URCforSR

- Technical expertise in the field of renewable energies including smart grids, storage and distribution systems.
- Expertise in sustainability governance and environmental economics of natural resources.