WULCA related work ETH was involved

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Overview of developed LCIA factors within the LC-IUMACT EU Project

- **Surface water consumption** [m$^3$]
  - Impact River Biodiversity (CF$_{\text{river}}$) (Hanafiah et al.; Chapter 1)
  - Impact Wetland Biodiversity (CF$_{\text{WL,SW}}$) (Verones et al.; Chapter 4-5)
  - Impact Human Health (CF$_{\text{HH}}$) (Pfister et al.; Chapter 2)

- **Groundwater consumption** [m$^3$]
  - Impact wetland biodiversity (CF$_{\text{WL,GW}}$) (Verones et al.; Chapter 4-5)
  - Impact terrestrial biodiversity (CF$_{\text{T,GW}}$) (van Zelm et al.; Chapter 3)

- **Net change in green water consumption (production system – natural system)** [m$^3$] (Nuñez et al., Chap. 8)

**Note:** The impact of changes in natural water bodies is also considered.
Monthly WSI applied to crop water footprint

Pfister and Bayer submitted
Monthly WSI applied to crop water footprint

Pfister and Bayer, submitted

- Monthly WSI
Started project PhD student

• Development of new global water consumption / availability model
  • Focus on groundwater surface water differentiation
  • Sub-watershed resolution