

// Energy Policy and Energy Carriers
Prof. Dr. Frithjof Staiß

**// Systems Analysis
(SYS)**
Maike Schmidt

- / Monitoring the renewable energy expansion
- / Development and evaluation of subsidy instruments for renewable energies
- / Potential analyses and scenarios
- / Analysis of innovation and technology diffusion
- / Political consulting
- / Machine-learning methods for wind and solar power forecasts, performance monitoring and automatic bird recording systems
- / Wind energy and accompanying ecological research and test field operation

**// Renewable Fuels and Processes
(REG)**
Dr. Marc-Simon Löffler

- / Design and development of P₂X systems
- / Studies on scalable materials for series production and manufacturing technologies in the field of P₂X electrolysis
- / ZSW-own alkaline electrolysis block and system technologies up to the MW scale
- / Development and testing of P₂X synthesis processes
- / P₂X site support (basic engineering, approval planning, technology monitoring)
- / Efficient and regenerative production of CO₂ from bio mass and air
- / Development of innovative raw material recycling procedures in fluidized bed processes