

### TP 0 Controlling overall project

### TP 1 [SYS] Techno-, socio-economic and ecological system analysis

#### AP 1:

System modelling for the identification of innovative and sustainable applications

#### AP 2:

Life cycle assessment and criticality analysis of individual technologies and technology paths

#### AP 3:

Holistic evaluation of the use and effects of alternative fuels for the development of the future regional infrastructure

### TP 2 [EXP] Experimental research infrastructure

#### AP 4:

Characterization and modelling of the demonstration plant - Optimization approaches to increase flexibility

#### AP 5:

PtH in the future energy system

#### AP 6:

Upscaling a complete PtG plant to an energy-economically relevant scale

#### AP 7:

Smart Heating

#### AP 8:

Power2C4

### TP 3 [KOM] Communication structure input and output

TP 3.1. Stakeholder-Workshops

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TP 3.2. Knowledge transfer

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