

SMART GRIDS, STORAGE AND DEMAND RESPONSE Franziska Mohaupt

SESSION 3 Participation of the consumer in the energy transition Tuesday 22 September 2015



Research, innovation and competitiveness for the Energy Union

Content

- Project background and approach
- Market perspective
- Social perspective
- How can smart-grid innovations successfully be implemented?
- Need for innovation





The InnoSmart project



Institut für Arbeitswissenschaft und Technologiemanagement IAT



InnoSmart

WIRTSCHAFTSFORSCHUNG

Partizipative Gestaltung von verbrauchernahen Innovationen für Smart Grids







	SET PLAN Conference 2015	Researc	h, innovation and competitiveness for the Energy Union
	Cha	allenges of the energy transition	on
T P	Technical, e.g. volatile power supply	Social, e.g. participation, fair access	Enterpreneurial, e.g. development of new business models
	Smart Grid -> Key component	successfully be implemented Consumer → Prosumer	d? Energy supplier → key actors









09.22.2015







Social-ecological perspective





User integration in innovation processes







Concluding remarks





Need for innovation

technological	Energy saving technologies	IT-Security & data management	Integration of smart innovations in an overall system
social	Integration of user perspective	Energy saving behaviour	"energy fairness"
institutional	Cooperation within and between countries	Business models <> legal framework	Models for grid maintenance



This conference has received funding from the European Union Horizon 2020 research and innovation programme under the grant agreement No 681163