



Smart Energy
Systems Week
Austria 2018

14. - 18. Mai 2018
Wien

Cooperation Workshop: Innovative Technology Regions

Cross-country Round Table:

„Innovation Technology Programs“

Smart Energy
Systems Week
Austria 2018

14. - 16. Mai 2018
Wien

Michael Hübner,

Austrian Ministry for Transport, Innovation and Technology

Alexander Folz,

Federal Ministry for Economic Affairs and Energy, Germany

Senja Nordström,

Swedish Energy Agency

Elvira Lutter,

Climate and Energy Fund Austria



Smart Energy
Systems Week
Austria 2018

14. - 18. Mai 2018
Wien

Interaction

“Trans-regional and international cooperation of Innovation Technology Regions”

Interaction: Cooperation of Innovation Technology Regions

Smart Energy
Systems Week
Austria 2018

14. - 18. Mai 2018
Wien

Development of multi-dimensional local/regional energy systems,
Urban Peyker

Supply of industry with 100 % renewable energy,
Simon Moser

Innovation in regulation: innovation regions as frontrunner,
Tara Esterl

Process chain for interoperability of ICT systems,
Valerie Reif

Co-Creation and need-owner involvement,
Bernd Schuh

Interaction: Cooperation of Innovation Technology Regions

Smart Energy
Systems Week
Austria 2018

14. - 18. Mai 2018
Wien

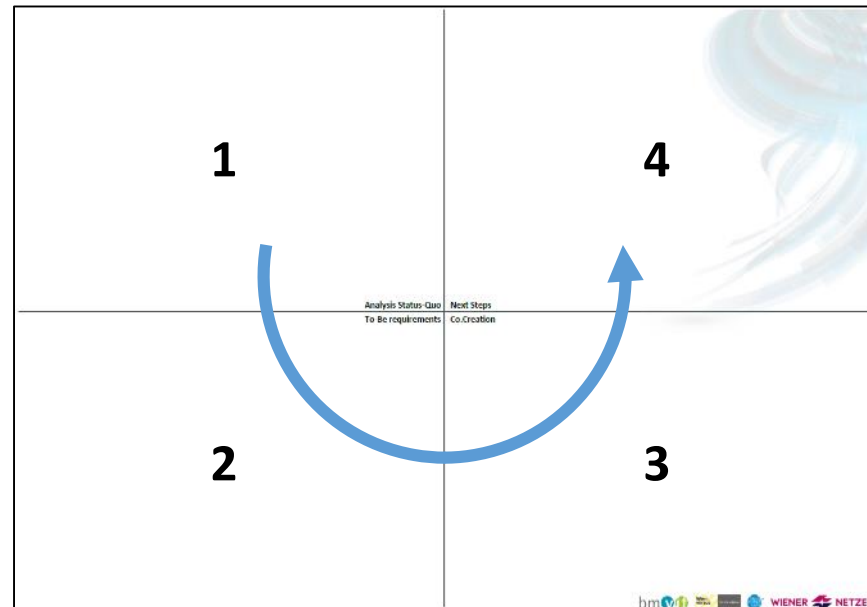
Round 1,
Grouping, Intro &
Analysis Status-Quo

Round 2,
To-be Requirements

Round 3,
Co-Creation

Round 4,
Next Steps

Presentation of Results,
Plenum Discussion

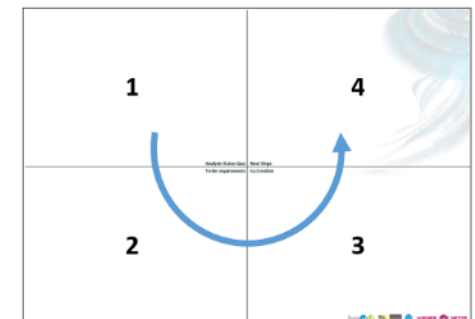
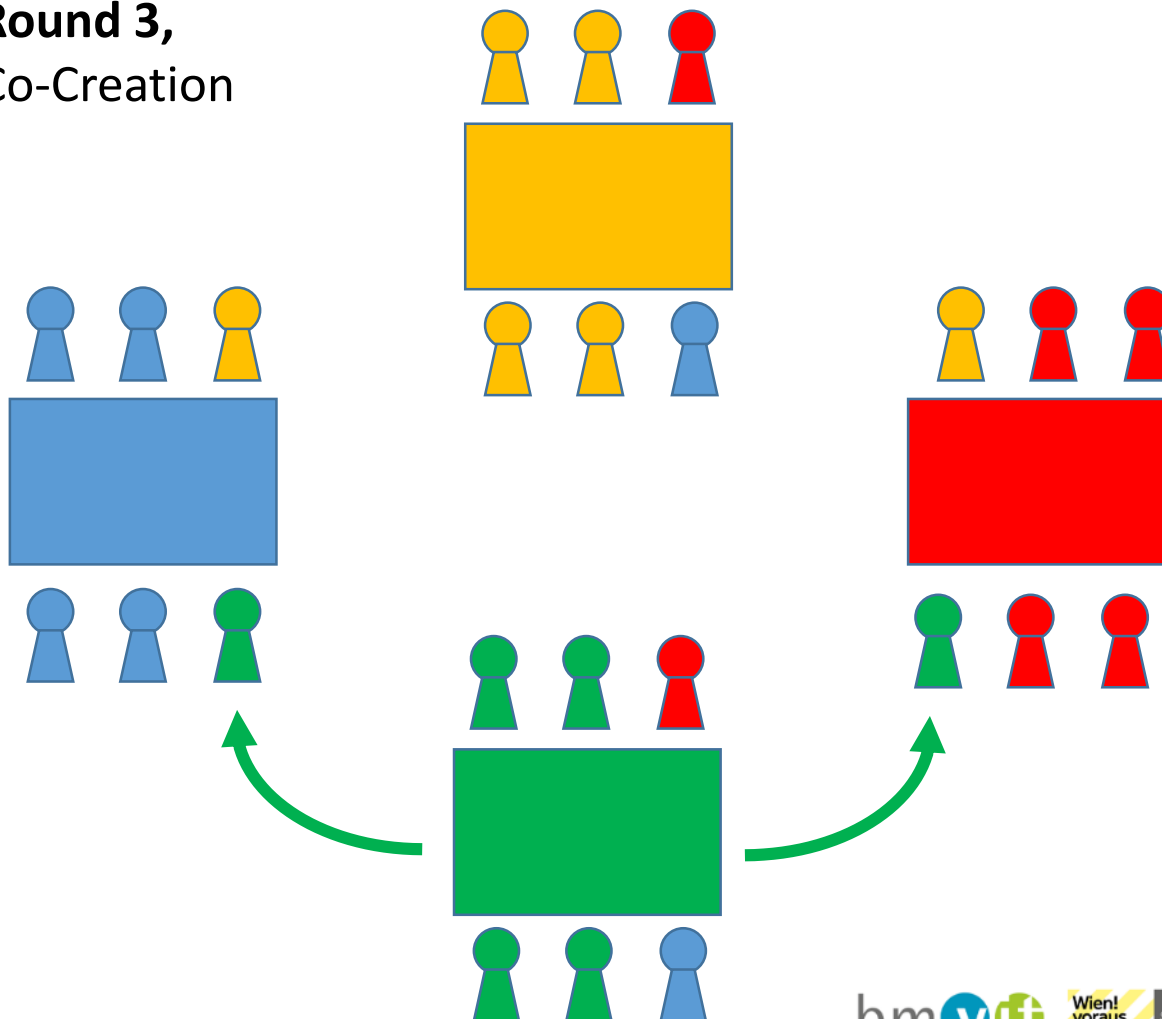


Interaction: Cooperation of Innovation Technology Regions

Smart Energy Systems Week
Austria 2018

14. - 18. Mai 2018
Wien

Round 3,
Co-Creation





Smart Energy
Systems Week
Austria 2018

14. - 18. Mai 2018
Wien

Presentation of Results

“Trans-regional and international cooperation of Innovation Technology Regions”

“Development of multi-dimensional local/regional energy systems”

Smart Energy Systems Week Austria 2018

14. - 16. Mai 2018
Wien

URBAN

- Gotland Case Challenges storage and regulations?
- Obstrom binders Juvonahon
- NO EASY ACCESS TO LAND
- VAYZ SMART Top down Bottom up Energy data base → sharing information about energy use
- Top Down VS Bottom UP (KER)
- Update your State level plans!
- EECS on a political spectrum (neutral for a more systemic view)
- TAX-FREE ZONES ("REGIONS", "SPECIAL", "GESUND")
- Check a common distribution mechanism
- Cloud and Open Markets
- Not only about change
- Research into RECs, are political organizations (Wendstrom & Cooperatives)

Analysis Status-Quo

- Customer first
- Obstrom Fibre up dynamic system
- And changing for people companies shareholders
- STORAGE → Policy based FROM NETWORK CHARGES
- Definition
- Political Agreement of Energy Market Law: RFP
- Help us of central infrastructure upgrading
- in a specific region
- Enable the business case
- LEARN FROM INTERNATIONAL CASEBOXES → results → how to design "services"
- Search to locally built energy storage systems
- SANDBOX NOW
- Regional Aspect
- Intellectual Energy and flows of Collaboration

Next Steps

- Platform for Market Services
- Innovation in Regulation or Innovation through Regulation
- Send box to design a business case

To-Be requirements

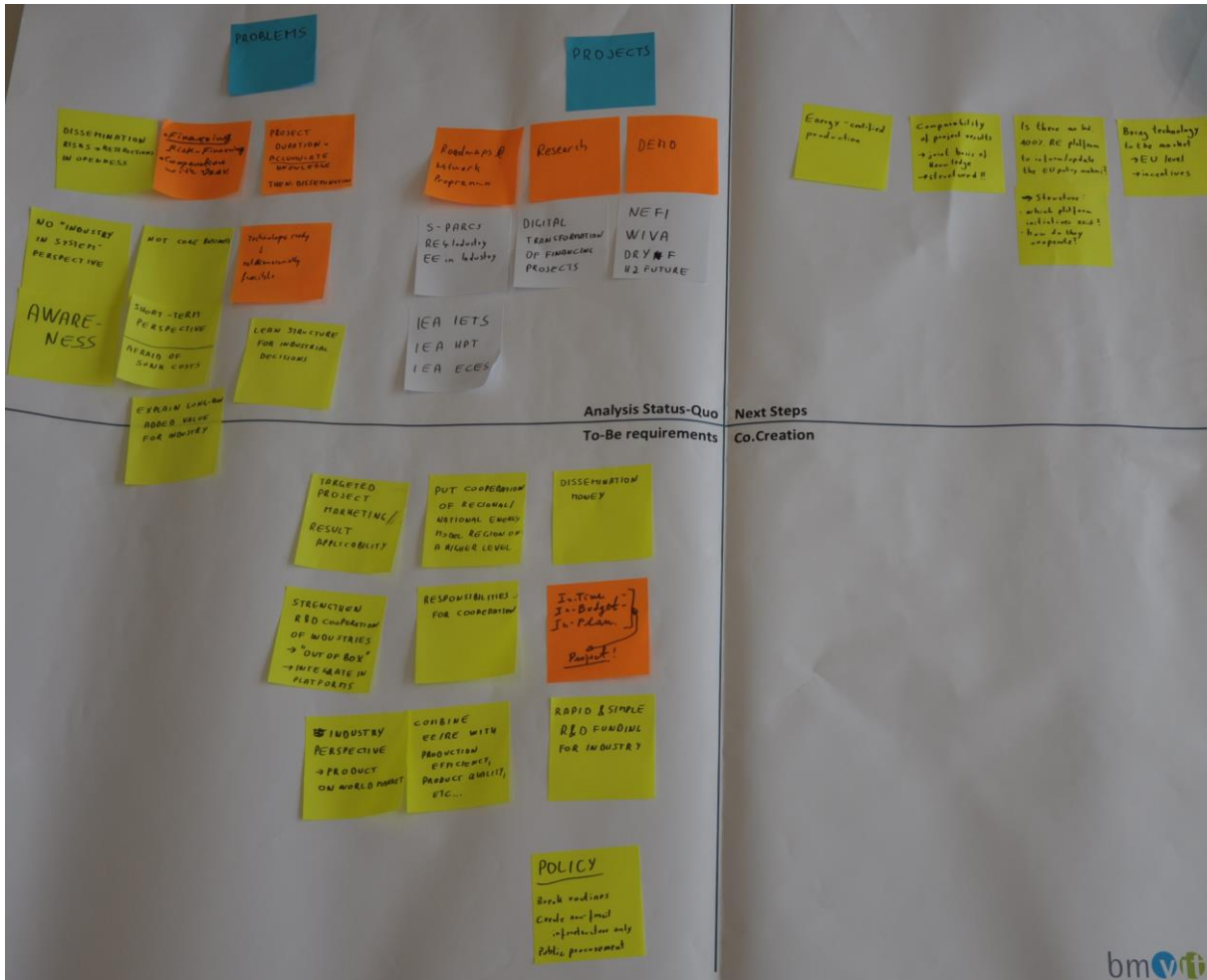
Co-Creation

Logos: bm vti, Wien vortaus, Städt+Wien, klimaenergiefonds

"Supply of industry with 100 % renewable energy"

Smart Energy Systems Week Austria 2018

14. - 16. Mai 2018
Wien



“Innovation in regulation: innovation regions as frontrunner”

Technical PD Regulation E REAL LABOR

WINDADDE SANDBOX
GRID FEES
REAL SHARING → WORKING
- 100% green
- GRID FEE (green+blue)
- Realtime (green) billing as before
- GRID FEES

Scaling:
- REGULATORY ISSUES
- BOUNDARIES BETWEEN
- HORIZONTALS
- SMART METER
- CERTAINITY FEE

SCALE DOWN
POLICIES:
- ...
- POLITICAL IMPACT
- REAL LABOR ✓ VISIBILITY

HOW TO GET THEM TO BE INNOVATIVE?
- ...
- ...
- ...

Analysis Status-Quo

To-Be requirements

SANDBOX
SINTEG + MERT + TECH
"TRIAL-OUT"
- experience
- (but not as clear
- ...)

DEF REAL LABS
→ THINK TANKS
→ FEAS STUDY

SANDBOX REAL LAB
- Technical
- Social
- Economic prog

Scenario Based REGULATION
→ LARGE Projects
→ MONEY
→ POLITICAL RISK
Positive RISK
→ YES WE CAN
→ COURAGE
→ MONEY
Project loops
TOLLUM
- POLITICAL INTEREST

CALL FOR SOLUTIONS
- CAUSITZ
- KUBS KOTREL
- LOBBYING
- AWARENESS
→ MONEY
→ NEW SOLUTIONS
→ RESEARCH

Collaboration
- FEEL + Realize
- ...

Focused Workshops

REAL LABOR GOOD SOLUTIONS
- POLITICAL PULL

REGULATORY HAS TO BE TESTED
- Innovation based on
- Smart Grids
- ...

RL
- Label Regional
- ...

UNBUNDLING
- CO2 TAX
- GRID FEES CHANGE
- EEG-Umlage
- ALL data FOR ALL
→ REPLICATION
→ ALLOCATION
- PEOPLE
- CO2 TAX
- TAX

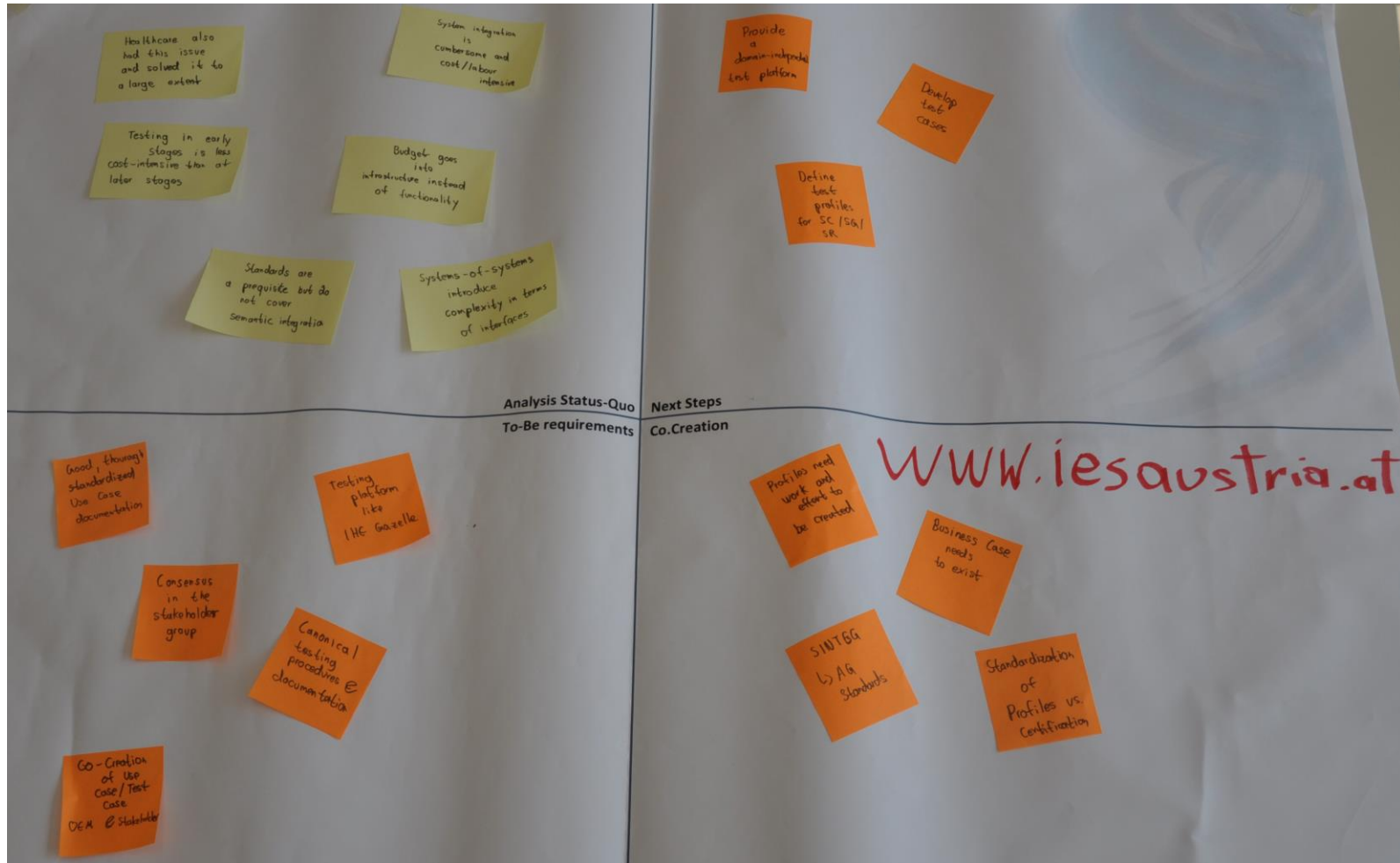
DEF REGIONS
- Think TANK
→ LARGE SCALE
SINTEG
"Sand 6 österchen"

OPEN CALL
→ DEF NEEDS
→ NATIONAL REG
→ EU LIMIT POSS
↳ LOBBYING

“Process chain for interoperability of ICT systems”

Smart Energy
Systems Week
Austria 2018

14. - 16. Mai 2018
Wien



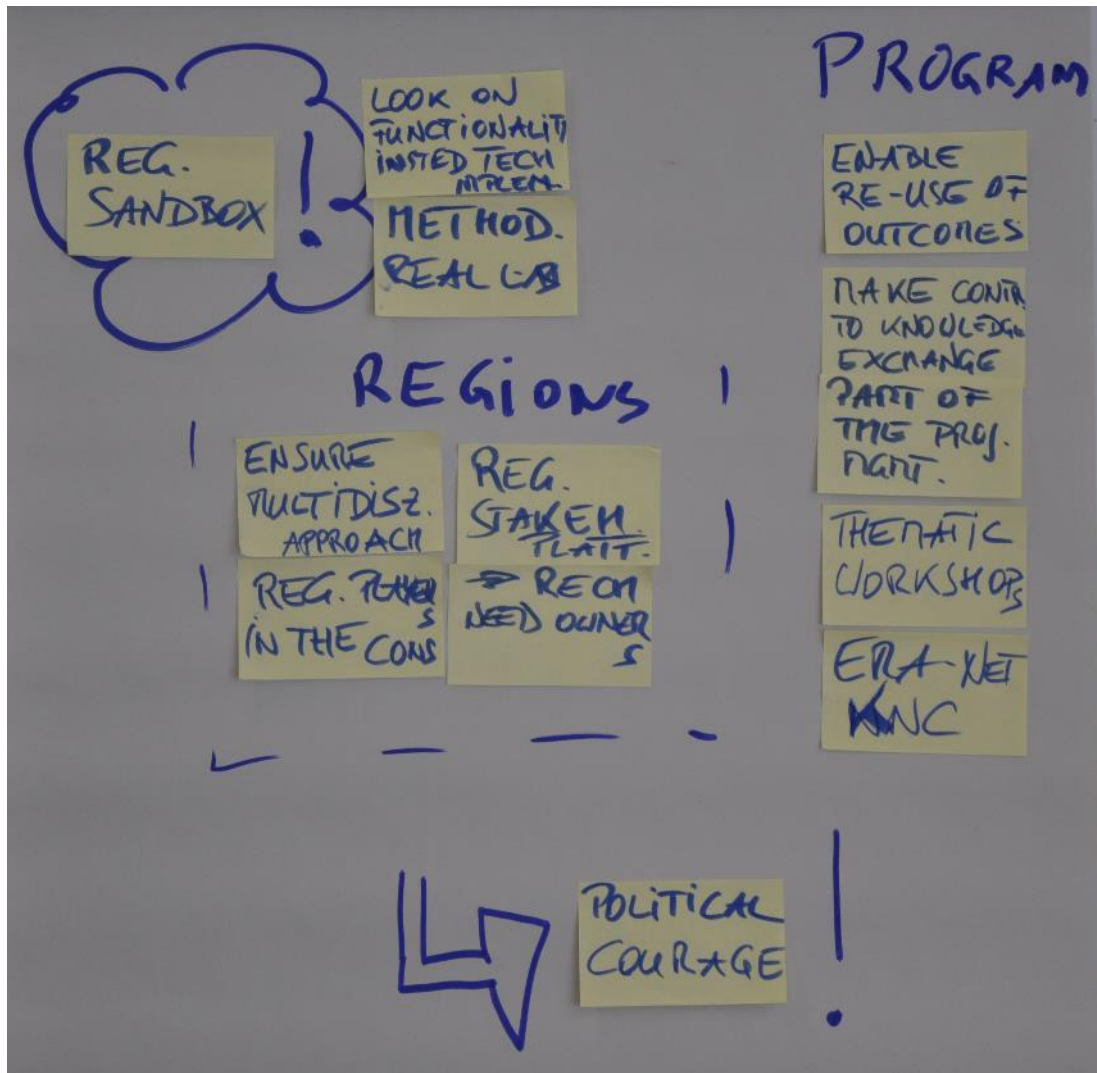
“Co-Creation and need-owner involvement”



Summary "Plenum Discussion"

Smart Energy
Systems Week
Austria 2018

14. - 16. Mai 2018
Wien





Smart Energy
Systems Week
Austria 2018

14. - 18. Mai 2018
Wien

THANK YOU!