

Renewable Research Strategy and Programmes in Austria

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The Climate and Energy Fund in a Nutshell

2007

Established by the **Austrian Federal Government**.

1

address for all agendas

the Climate and Energy Fund as the **One Stop Shop** of energy transition, from research to market launch

400

percent more is invested **in the energy research that is critical for the future** by Austria since the founding of the Climate and Energy Fund.

121,655

projects have been made possible by the Climate and Energy Fund so far.

Austrian ENERGY Research and Innovation Strategy



Discussion paper of the Energy Research and Innovation Strategy



Strategy part of the Energy Research and Innovation Strategy

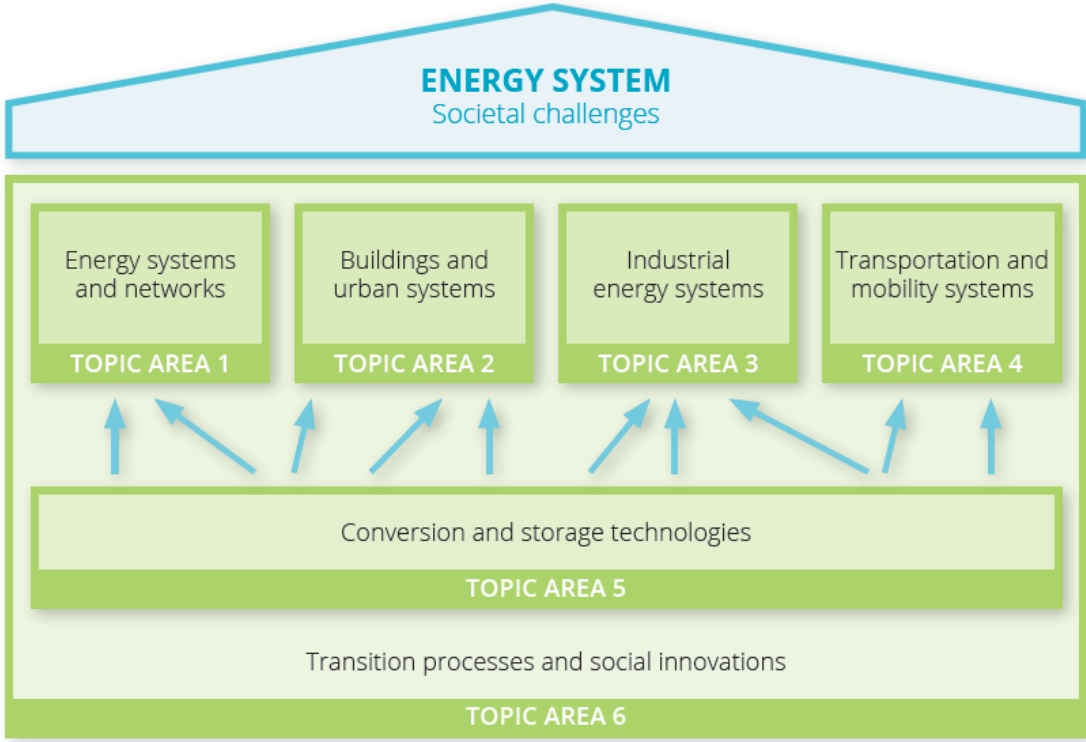


#mission2030 – The Austrian Climate and Energy Strategy

Dialog Process for developing the ENERGY Research and Innovation Strategy



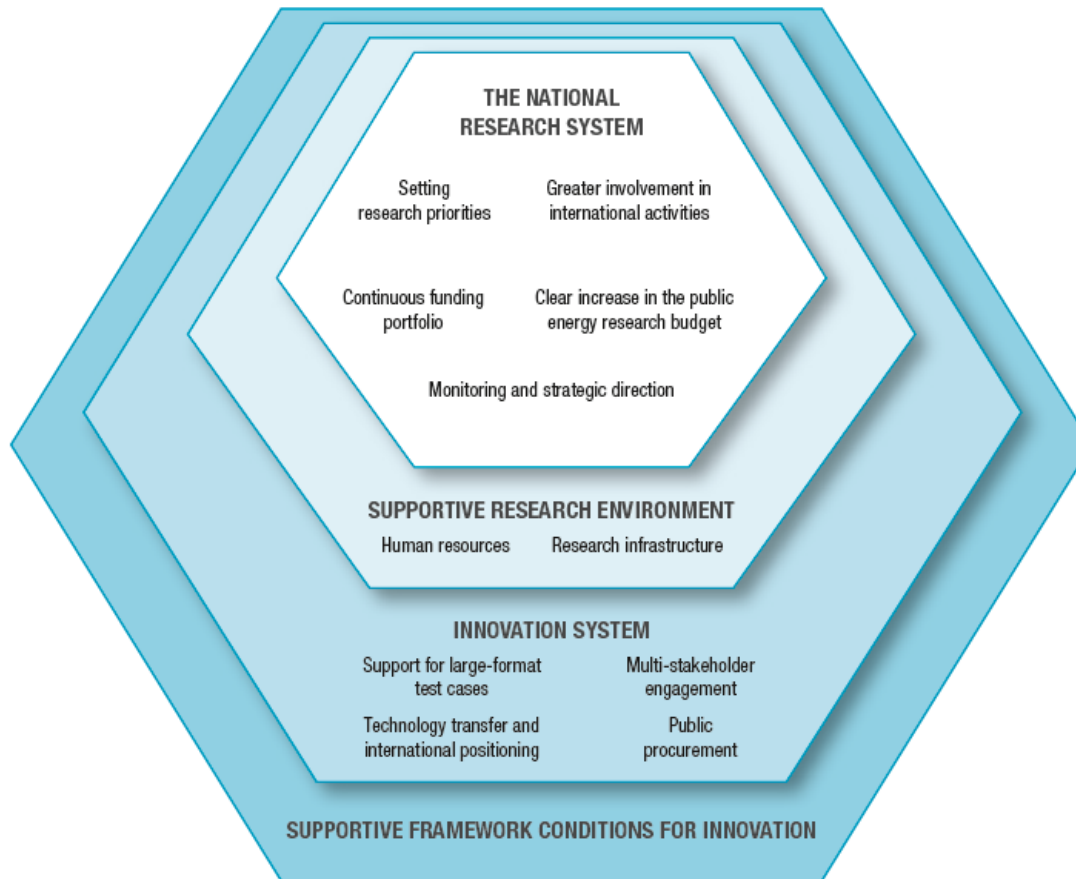
New System Approach established in the Strategy



- Topic area 5:**
- 1) bioenergy
 - 2) solar thermal
 - 3) heat pumps
 - 4) photovoltaics
 - 5) wind energy
 - 6) water power
 - 7) fuel cells
 - 8) geothermal
 - 9) electric storage
 - 10) thermal storage

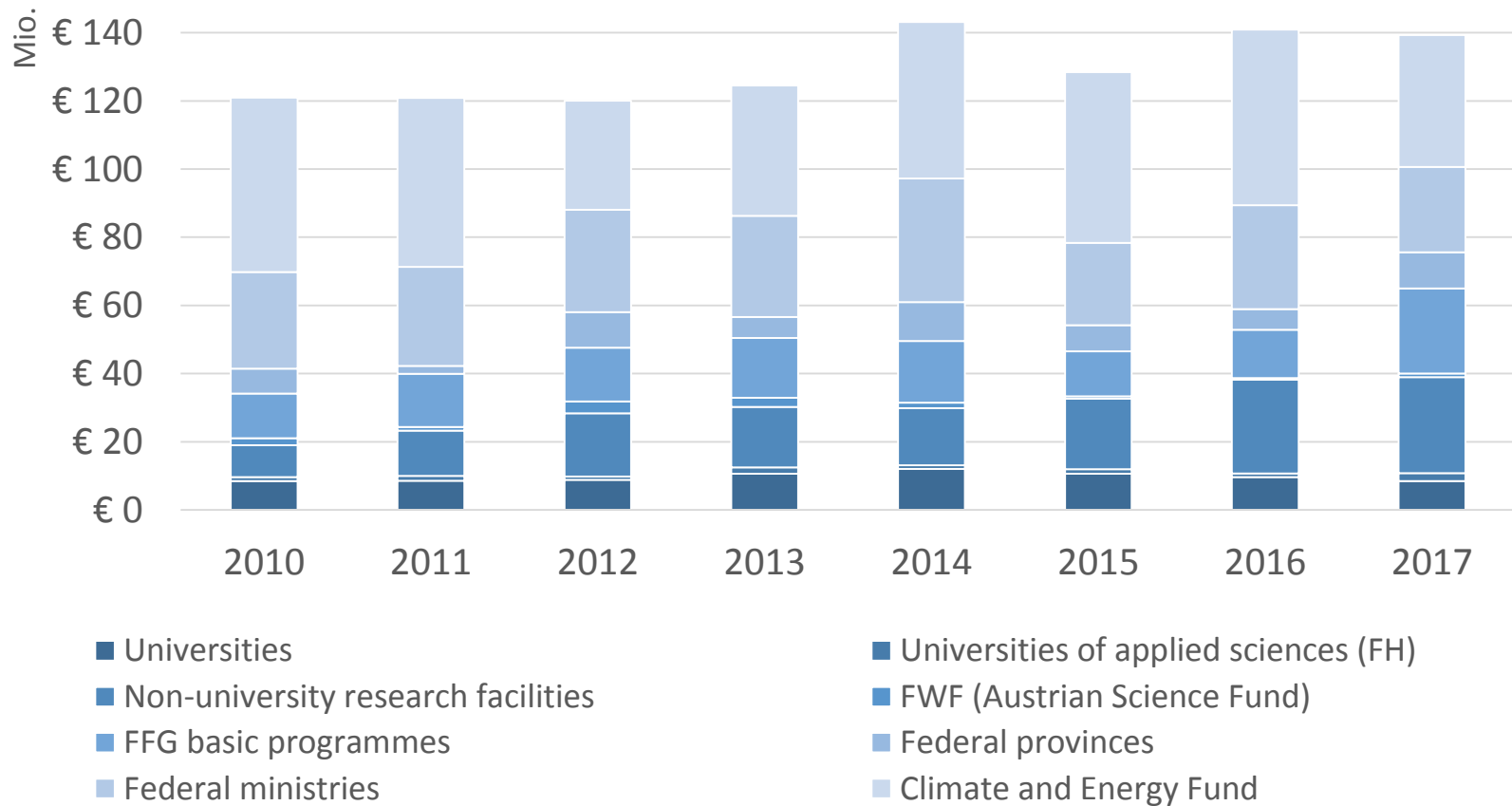
Source: ENERGY Research and Innovation Strategy
 Federal Ministry for Transport, Innovation and Technology, Climate and Energy Fund, March 2017

From Energy Research to Mission Innovation



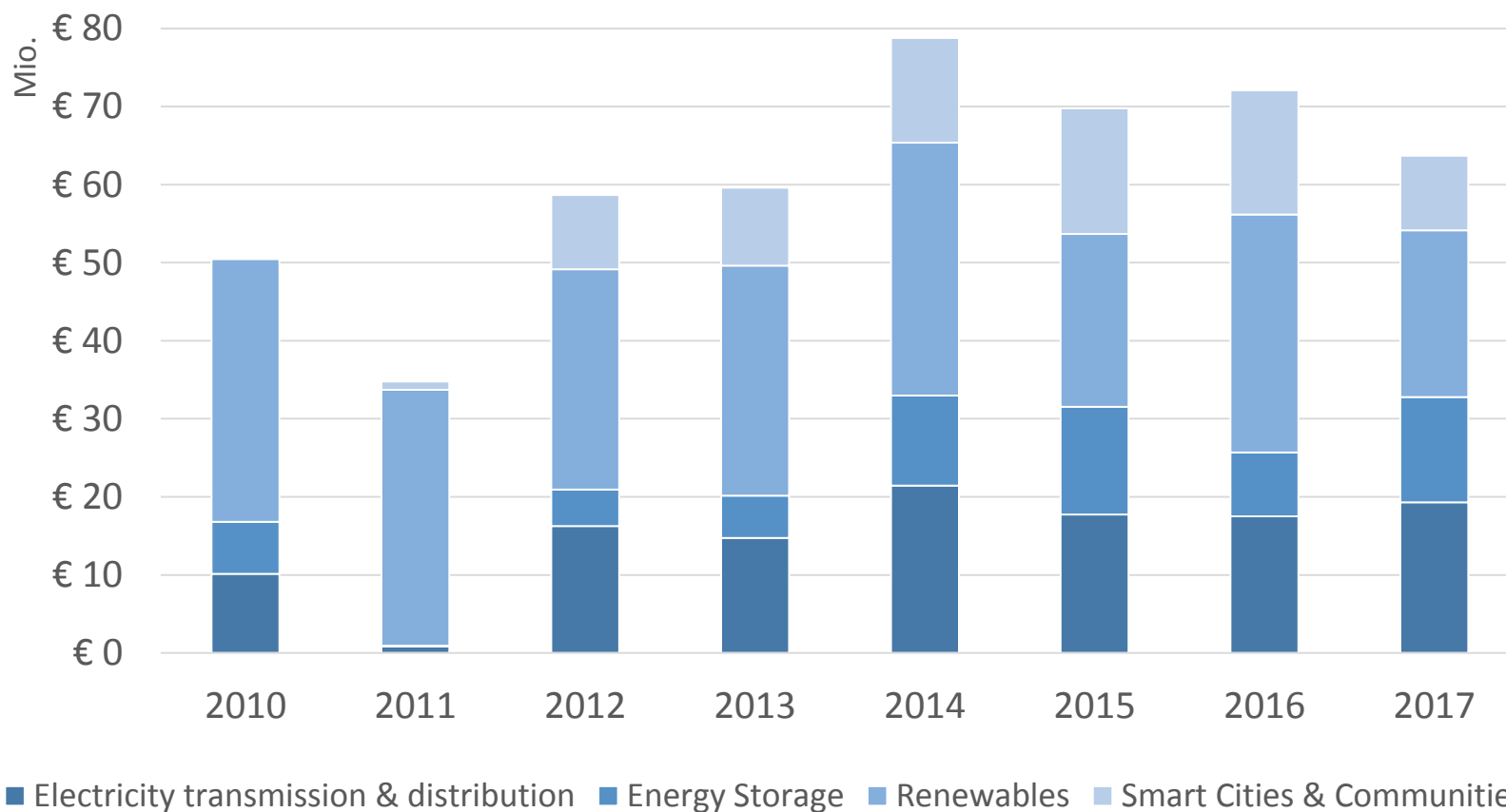
Source: ENERGY Research and Innovation Strategy
Federal Ministry for Transport, Innovation and Technology, Climate and Energy Fund, March 2017

Public Energy R&D Expenditures in Austria 2010 - 2017



Source: Austrian Energy Agency
on behalf of the Federal Ministry for Transport, Innovation and Technology

Public Energy R&D Expenditures on Integration of RES



Source: Austrian Energy Agency
on behalf of the Federal Ministry for Transport, Innovation and Technology

Flagship Region Energy (1/2)

- **Objective 1:** Development and model use of energy technologies “made in Austria” for the large-scale field testing of intelligent system solutions with up to 100 % RES in live operation
- **Objective 2:** Strengthening and developing Austria as a lead market
- **Objective 3:** Involvement and active participation of users

Focus areas

- Integration of up to 100 % renewable energies, flexibility, digitalization, security, new business models and processes

Flagship Region Energy (2/2)

- **Green Energy Lab**
 - Living Lab in Eastern Austria for an energy system with a high share of renewable energies
 - Flexibility and system integration by means of digitalization of grids, infrastructures and end users
- **New Energy for Industry**
 - Decarbonization of the industrial energy system with Austrian key technologies
 - Digitalization & flexibility as enabler for energy efficient industrial processes with a high share of renewable energies
- **Hydrogen Initiative Flagship Region Austria P&G**
 - Transition of the Austrian economy to an energy system based strongly on hydrogen
 - Production, storage, distribution and use of renewable hydrogen in energy supply, industry and mobility

THANK YOU!

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