

acatech – National Academy of Science and Engineering

Foundation – Background – Facts

CAETS Energy Committee Meeting, Seoul
7 March 2019

acatech – National Academy of Science and Engineering



Overview



The People



The Organisation



The Work



The Results

acatech – National Academy of Science and Engineering

- **The institution**
 - acatech: independent and self-determined representative of science and technology in Germany and abroad
 - Supported by the federal government and the 16 federal states as a national academy since January 1, 2008
 - Patron: Federal President Frank-Walter Steinmeier
- **The network** (status: January 2019)
 - 540 members in Germany and abroad
 - 111 senators



The Presidents of acatech:
Dieter Spath (left)
and Karl-Heinz Streibich

The Members



- **540 scientists** from universities, research institutes and other organisations
- New members are admitted on the basis of their **outstanding scientific achievements**
- Members are elected into the **General Assembly** after being nominated by a member and undergoing an **assessment process**

The Senate

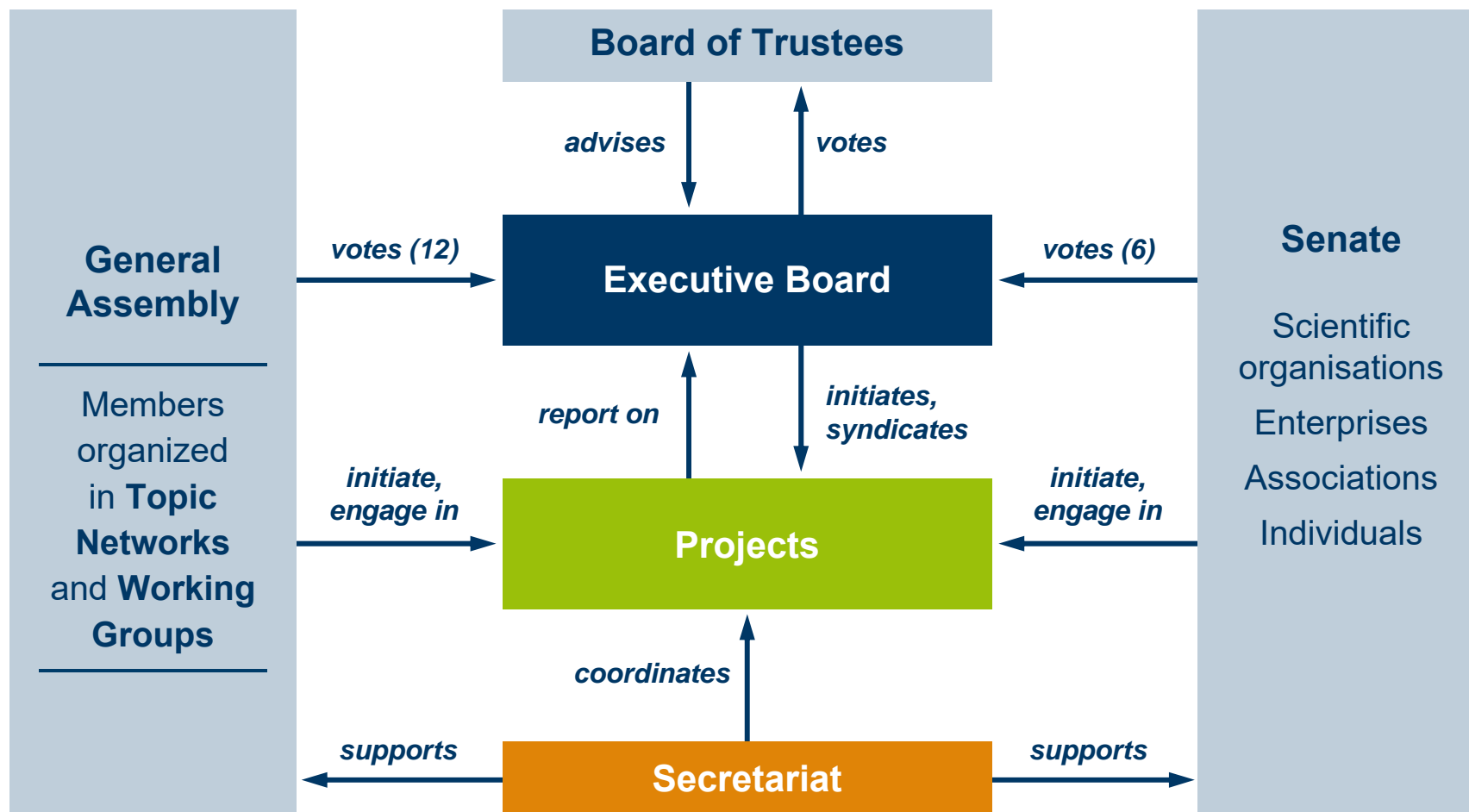


- Members:
 - **111 senators**
 - Senators holding positions of leadership in associations, scientific organisations and technology-oriented enterprises
 - Senators are admitted on recommendation of the Executive Board
 - Task: input from businesses and associations
 - Chairman of the Senate:
Karl-Heinz Streibich



The Structure

The Two-pillar Model Science & Business



Financing

Ensuring Stability and Independence



Project sponsorship
(public and private)



Core work

- Projects
- Events



Institutional sponsorship
(by federal government and federal states)



Academy
(Running operations)

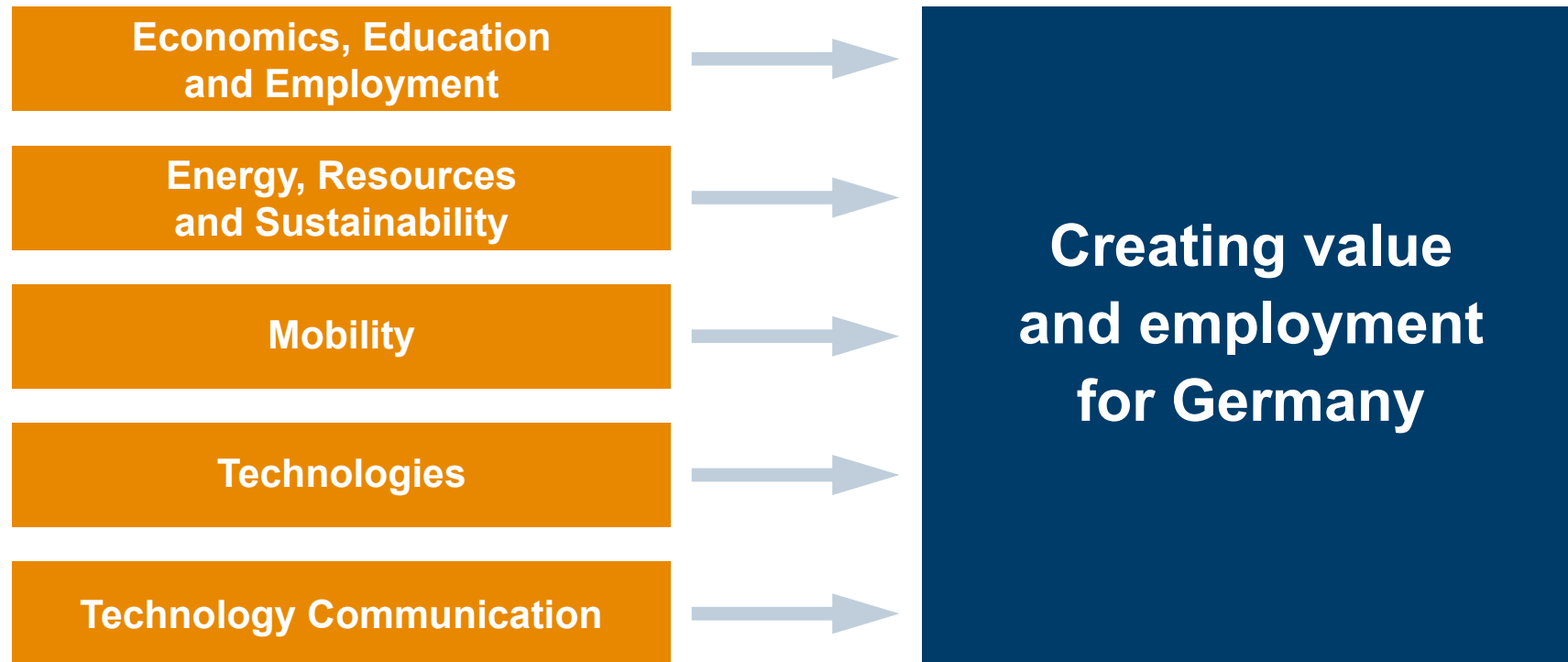


Sponsors of acatech

January 2019



Five Key Topics – One overall Goal



acatech: Energy Projects



- ESYS project:
 - Energy Systems of the Future
 - Three ongoing working groups:
 - electricity market design
 - (De)central energy supply
 - Reliability of digitized energy systems
 - 5 Dialogue concepts to involve stakeholders: academia, industry, politics, others
 - 10 finalized working groups
 - Recent publication: Comparison of our large sector coupling study (so far, German only)
 - will shortly start a (small) academy project "Research for a repository"