



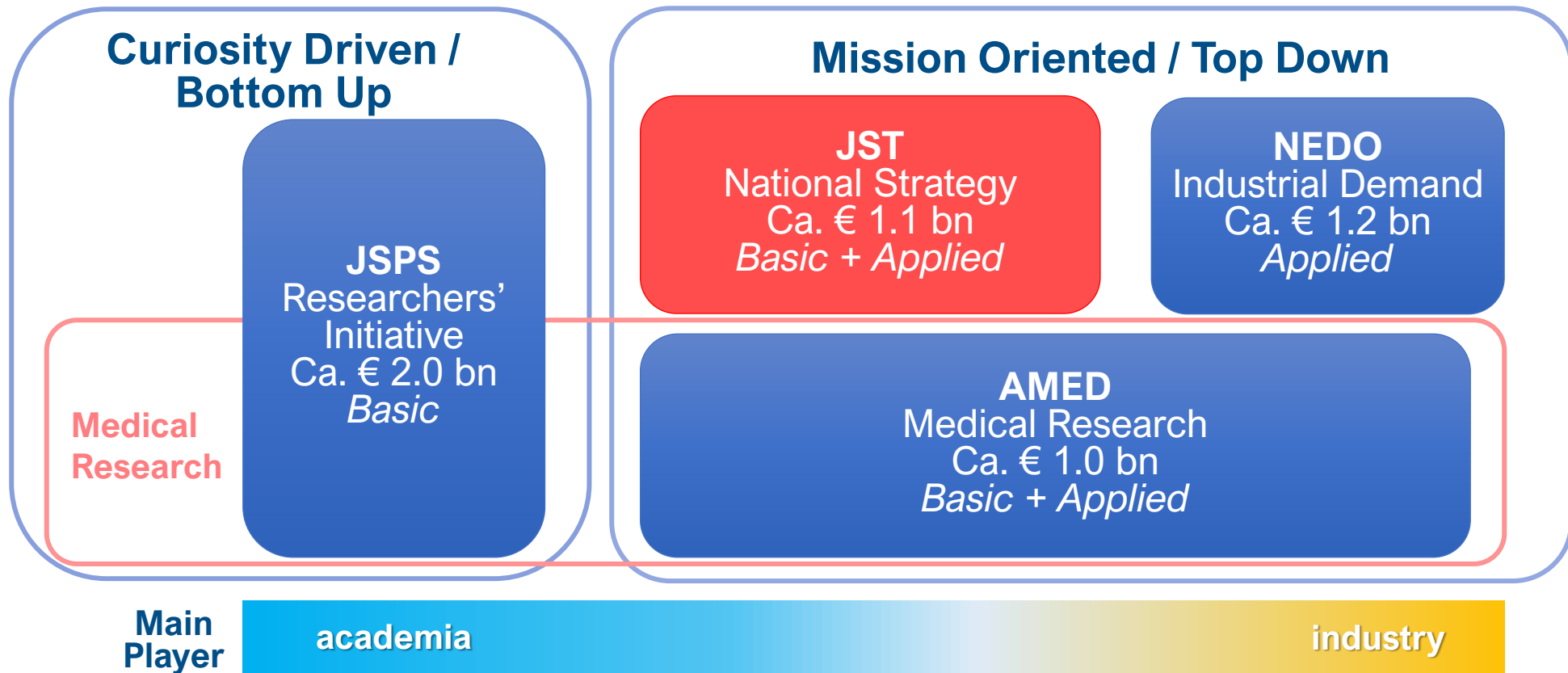
# Cooperation in the frame of Joint calls for proposals, implementation of the 2nd call

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## JST is ...

An innovative\* mission-oriented funding agency, connecting a wide range of stakeholders and driving high risk research that generates real value for global society and global public good.



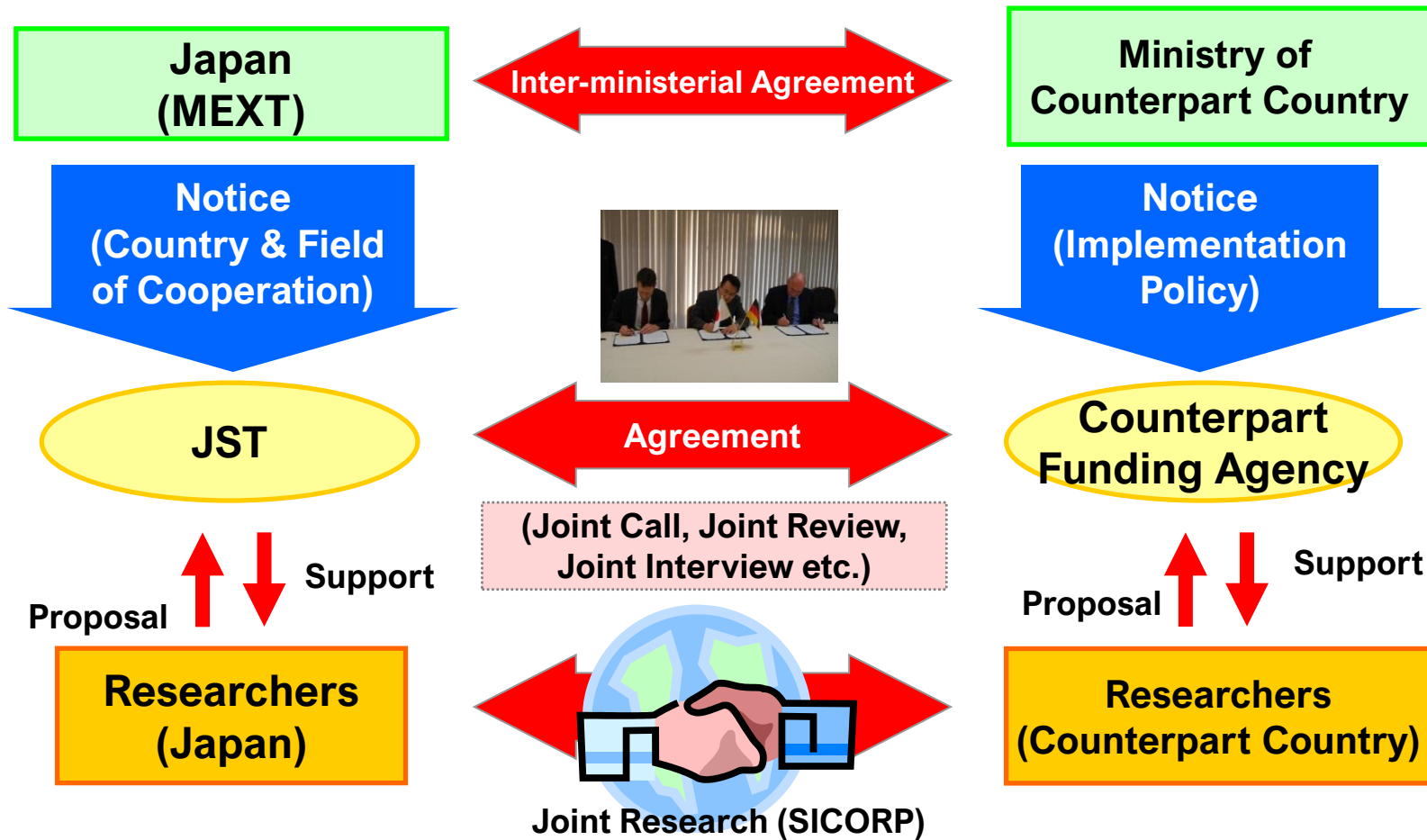
\* Thomson Reuters Ranking 2017  
The World's Most Innovative Research Institutions 2017 (Ranked 4<sup>th</sup>)

## Objectives

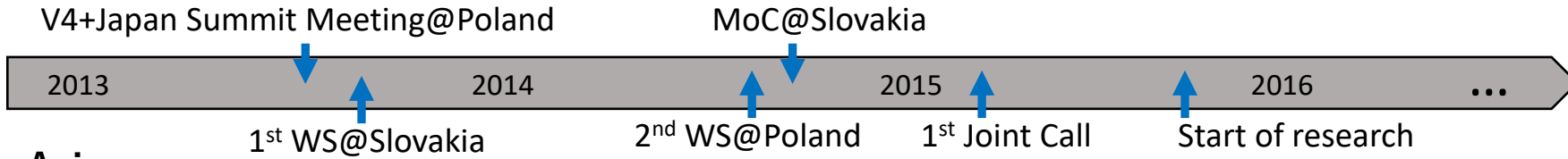
- **Research for Innovation**
  - New knowledge, Advancement of STI
- **Research for Sustainable Development**
  - Global Common Challenges, Global Public Good, Human Wellbeing

## Current activities with V4 countries

Coordinated Matching Fund



## Background of V4-Japan cooperation



### A i m

- ❖ To achieve sustainable growth and to strengthen science, technology and innovation capacities of Japan and V4
- ❖ To perform a coordinated joint call for joint funding

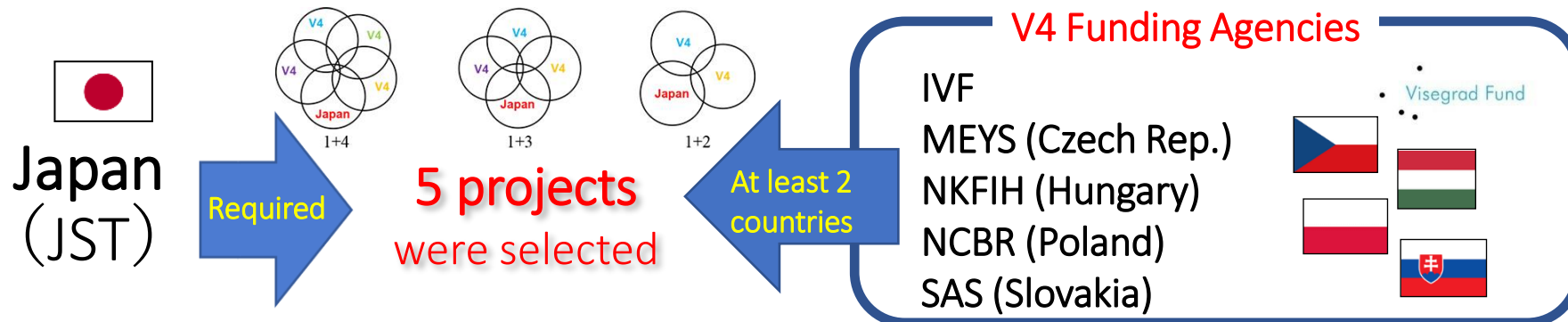
### 1<sup>st</sup> Joint Call Topic

#### Research Area 'Advanced Materials'

- ✓ Materials for Extreme Environments
- ✓ Materials for Electronics and Energy Harvesting
- ✓ Lightweight Construction Materials

### Outline of the Call

- ✓ Call duration: January 2015 — April 2015
- ✓ Start of research: November 2015
- ✓ Research period: 3 years
- ✓ Call Budget (Japan): 18 million JPY at maximum per project for 3 years

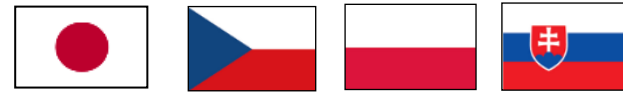


## 5 Projects were selected for funding (2015-2018)

New Generation of InGaN Layers,  
Quantum Wells and Wires Grown on  
Vicinal GaN Substrates for Optoelectronics  
and Photovoltaics



Structure-Function Relationship of  
Advanced Nanooxides for Energy Storage  
Devices



Highly Safe GaN Metal-Oxide-  
Semiconductor Transistor Switch



Nanophotonics with Metal – Group-IV-  
Semiconductor Nanocomposites: from  
Single Nanoobjects to Functional  
Ensembles



Multi Scale Model of the Laser Dieless  
Drawing Process of Tubes from Hardly  
Deformable Magnesium Alloys



## Second “Visegrad Group plus Japan” Summit Meeting

Date: October 18, 2018 (Published by Ministry of Foreign Affairs, Japan Government)



V4 plus Japan Summit Meeting

In the area of science and technology—one of the pillars of the V4 plus Japan cooperation, Prime Minister Abe stated that joint research projects were successfully carried out between Japanese universities and research institutes in V4 countries, with the support of the **Japan Science and Technology Agency (JST)**. The Prime Minister noted that in light of the need in this field and the success of the joint research, the Government of Japan will explore the possibility of launching a new call in a joint project.

## Japan-Poland Summit Meeting

Date: January 21, 2020 (Published by Ministry of Foreign Affairs, Japan Government)



Japan-Poland Summit Meeting

In the area of science and technology,

Prime Minister Abe noted, “‘V4+Japan’ joint research project is effective for science and technology cooperation, and Japan in cooperation with V4 countries would like to arrange a call for proposals for a joint research grant as quickly as possible.”



- Call Topic
  - ✓ Advanced Materials
- Call Period
  - ✓ January – April 2021
- Start of Research/Funding (Research Period)
  - ✓ November 2021 (3 years).
- Support Budget (Japan)
  - ✓ Approx. 50,000 EUR (6 MJPY)/year/project.
- Participating Funding Organizations
  - ✓ JST, IVF, MEYS, NKFIH, NCBR, SAS

## 5 Projects were selected for funding (2021-2024)

Black metals decorated with surface receptors as high-potentiality materials for gas sensing



Band-gap engineering in unconventional semiconductors



Perovskites Quantum Dots based Broadband Detectors - from a quantum dot to a functional detector



Development of Advanced Magnesium Alloys for Multifunctional Applications in Extreme Environments



Atomic design of carbon-based materials for new normal society





Thank you for your attention.