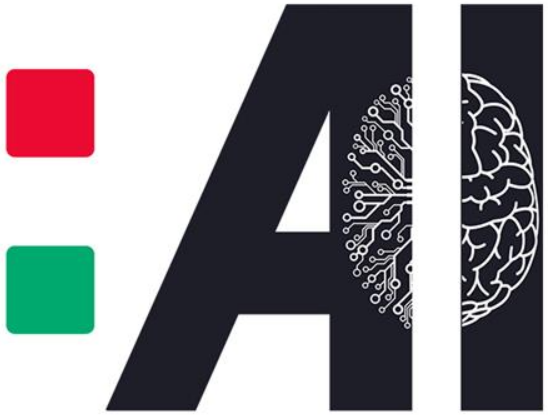


Artificial Intelligence Coalition
2 July 2019

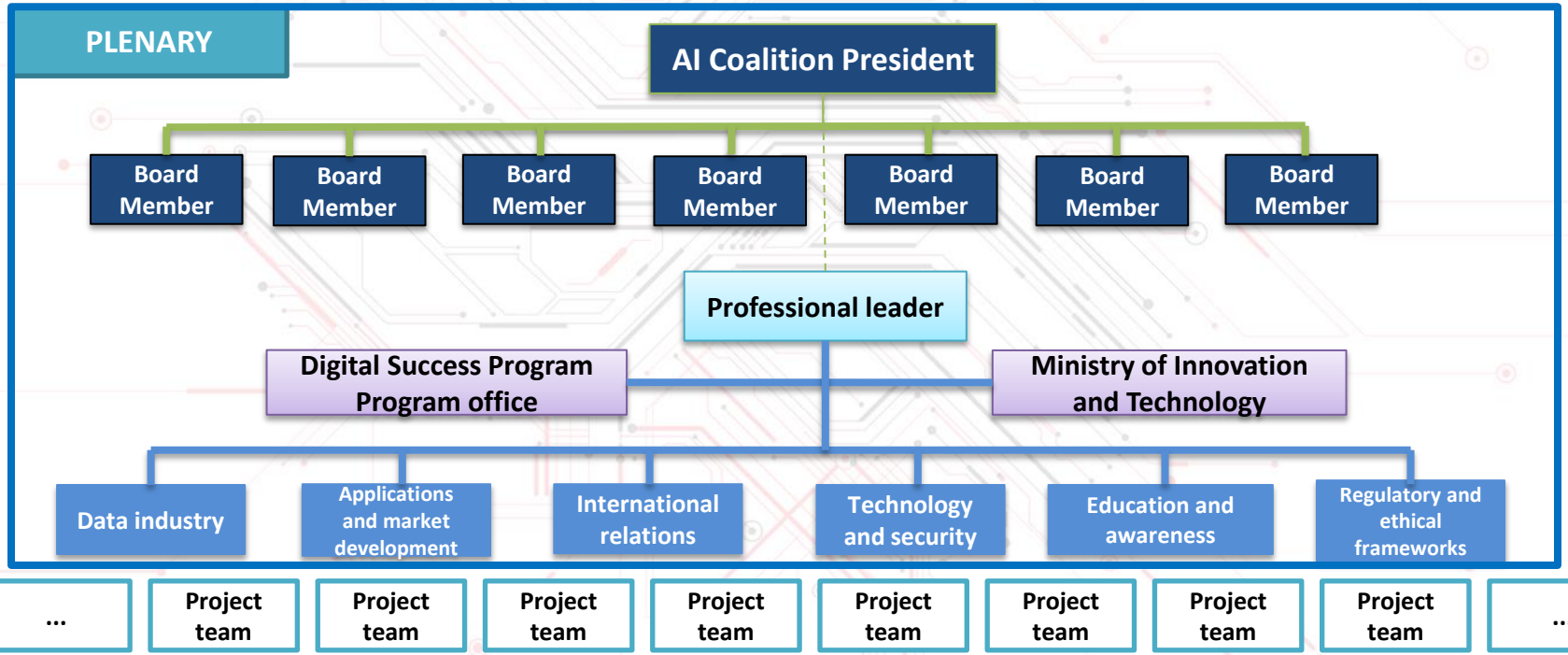
Background information

- The AI Coalition was founded on 31 October 2018
- 74 founding institutional members
- Representatives of the corporate, SME, research, and governmental sectors as well as academia
- Permanently open to new members, the Coalition currently has over 180 member organizations

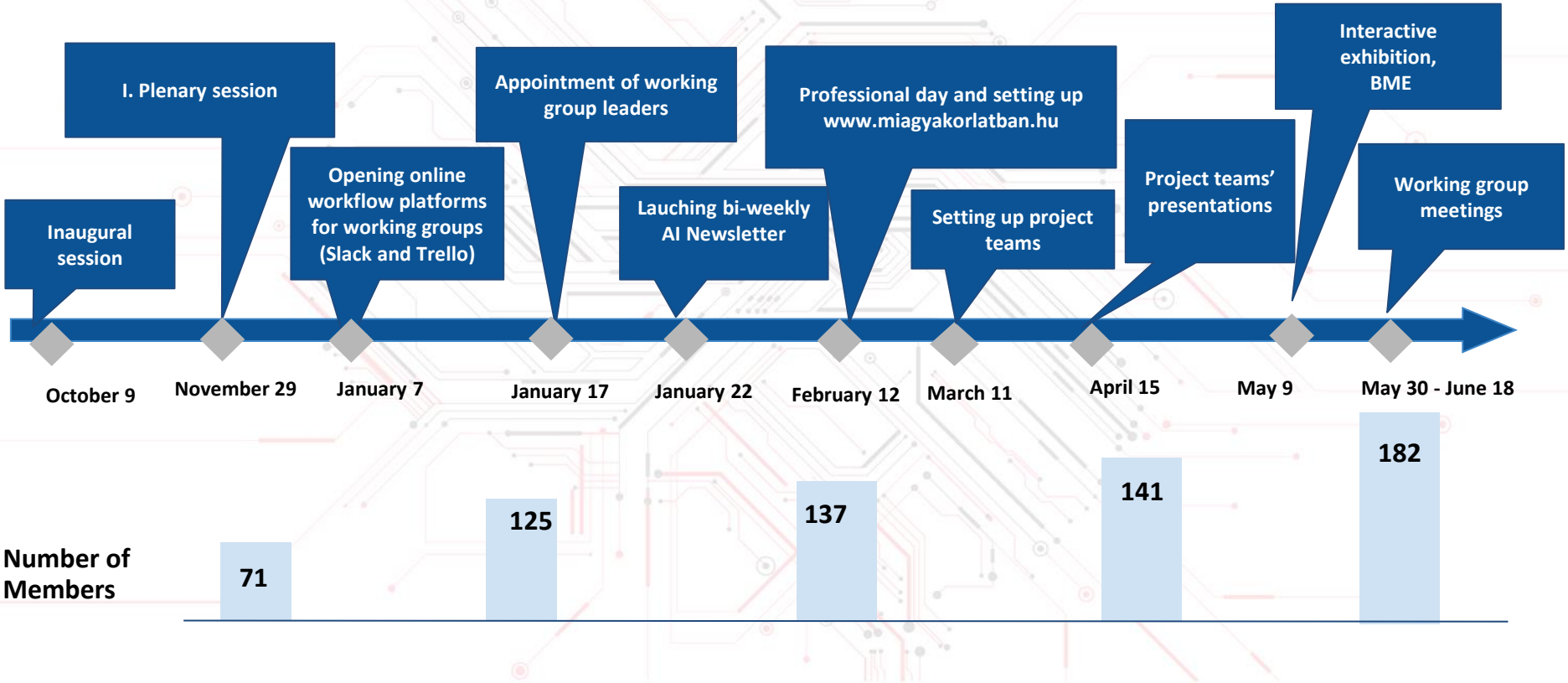
Objectives of the Coalition

- Propel **Hungary to the European forefront** in the area of AI developments and make her become an important reference point in the global AI community;
- Strengthen **the competitiveness of domestic enterprises** through extensive dissemination and utilisation AI-based developments;
- Facilitate the **participation of Hungarian start-ups and SMEs in AI development activities** in partnerships with large enterprises, universities or international partners;
- As user of AI-based solutions, the **government should be actively engaged in developing the local AI ecosystem** by systematically utilizing the national data asset pool and **providing** adequate, regulated and effective **access** thereto.

Organigram of the Coalition



Timeline


Inaugural session
I. Plenary session
Opening online workflow platforms for working groups (Slack and Trello)
Appointment of working group leaders
Lauching bi-weekly AI Newsletter
Professional day and setting up www.miagyakorlatban.hu
Setting up project teams
Project teams' presentations
Interactive exhibition, BME
Working group meetings
October 9
November 29
January 7
January 17
January 22
February 12
March 11
April 15
May 9
May 30 - June 18
Number of Members
71
125
137
141
182

Coalition Board

ACADEMIA – Dr. Charaf Hassan
PUBLIC SERVICES – Szigeti Ádám
PROFESSIONAL ORGANISATIONS– Laufer Tamás
HUNGARIAN SME SECTOR – Kishonti László
MEDIUM ENTERPRISES – Hetényi Márk
CHAMBERS – Parragh László
STARTUP ECOSYSTEM – Böszörményi-Nagy Gergely
MULTINATIONAL COMPANIES – *Jakab Roland*

Workflow of the working groups

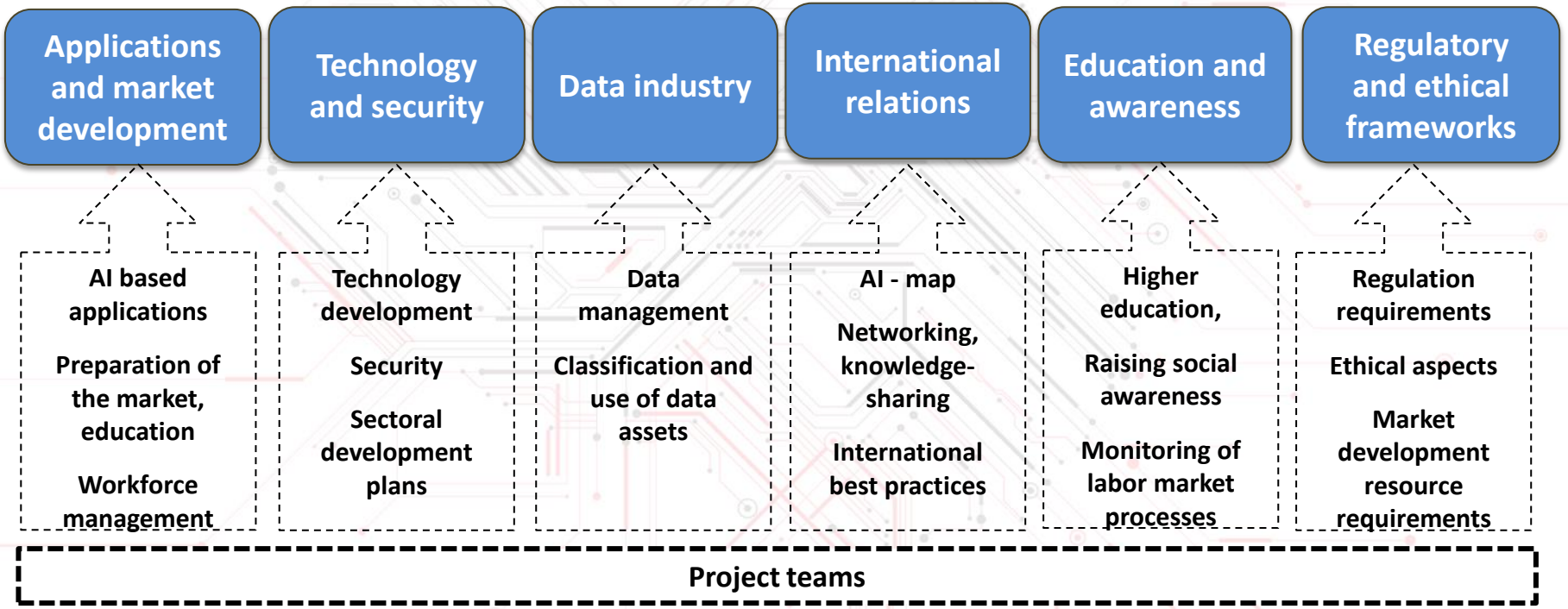
Working groups

- Regular sittings (3-4 times/year)
- Professional reports
- Comprehensive theme based forum
- Debate on the results and questions of project teams

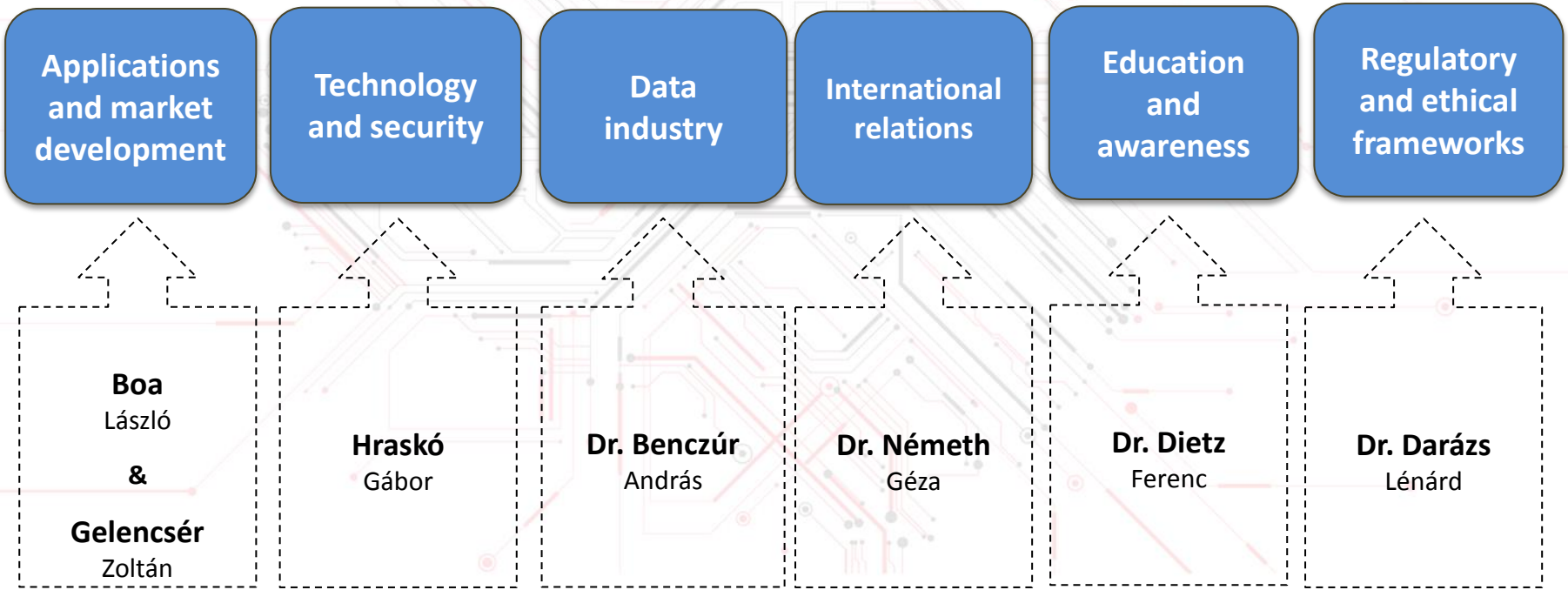
Project teams

- 2-4 month long, output-oriented teamwork
- Self-organisation upon project ideas
- Maintaining contact online
- Preparation of professional inputs for the strategy

Working group focus areas



Working group leaders



Working group stats

Experts: 660

Working group leaders	Working groups	Number of members
Boa László (IBM) and Gelencsér Zoltán (Vodafone)	Applications and market development	193
Hraskó Gábor (T-Systems Magyarország Zrt.)	Technology and security	142
Dr. Benczúr András (MTA SZTAKI)	Data industry	127
Dr. Németh Géza (BME)	International relations	97
Dr. Dietz Ferenc (BGE)	Education and awareness	122
Prof. Dr. Darázs Lénárd (ELTE)	Regulatory and ethical frameworks	86

Results to date

- AI use case collections and exhibitions
- The very first interactive exhibition in Europe
- Use cases
- H2020 priority project
- The ICT Association of Hungary's Global Study on national AI strategies
- AI Coalition project teams

AI Use Case Collections and Exhibitions

Website www.miagyakorlatban.hu has been launched **to collect success stories and interactive AI tech**.

On May 9, 2019, the Budapest University of Technology and Economics hosted **an interactive AI exhibition, the very first one in Europe.** The event was followed by a press conference. **20+ exhibitors gathered, displaying over 30 AI-driven technologies** ready to be tried by visitors on site.

The exhibition material is availabe at www.miagyakorlatban.hu.

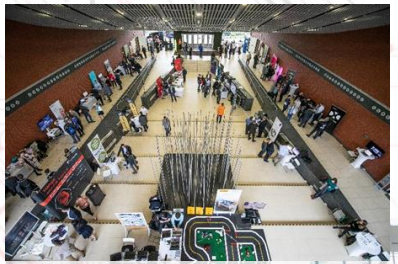
Building an AI Ecosystem

AI in practice - **AI Use Case Collections**

- 20 experimental technologies to try
- Nearly 50 success stories to explore
- Artificial Intelligence near you

AI Exhibition

- All-day event
- 20+ exhibitors
- 300+ visitors



artificial intelligence coalition

H2020 and the Hungarian Flagship Project

- In the summer **an EU call for proposals is expected** with strong emphasis on AI technologies; an opportunity to **apply for participating in European AI Networks of Excellence** will also emerge.

- **<u>Networks of Excellence:</u>**

  -complex European networks,
  -to be set up around topics rather than on a regional basis,
  -possibility to join consortial networks on individual organizational levels
  -general positioning of Hungary

  Upon the initiative, and under the guidance, of **the Ministry of Innovation and Technology, a priority AI program** has been started that is aimed at **strengthening the current efforts made in foundational research** in a consortium led by Rényi Institute of Hungarian Academy of Sciences.

The ICT Association of Hungary's Global Study

The ICT Association of Hungary (IVSZ) produced **a 100-page international outlook study** that analyzed 15 countries as well as the EU's AI strategy.

The paper summarizes the **structural factors that appear in most international strategies** and might serve as a solid basis for the Hungarian AI strategy, using some of the product results of the projects.

The ICT Association of Hungary's Global Study

Main pillars of AI country strategies

Data policy

Collecting existing data
Structural collection of new data
Crafting data use models
Establishing data use incentives

Infrastructure building

Available computing capacity
Available data storage capacity
Available data traffic

Education

Training of AI professionals and researchers
AI application education (vocational training)
Social preparation
Attracting and retaining talent
Monitoring and handling labor market impacts

Institutional background

Drafting and implementing of AI strategy
Setting up government institutional background
Individual procurement channels
Governmental data asset manager

Regulation

Use of personal data
Categorization, standardization
Ethical principles of use
Determining AI decision making responsibilities

Research innovation center

Ground research
Applied research
Application developers support (regarding startups, growth, export)
Strengthening of ecosystems (innovation transfers)

Encouraging widespread use

Ordering government applications
Supporting key private sector industries
Supporting key public sector industries

Strategy drafting

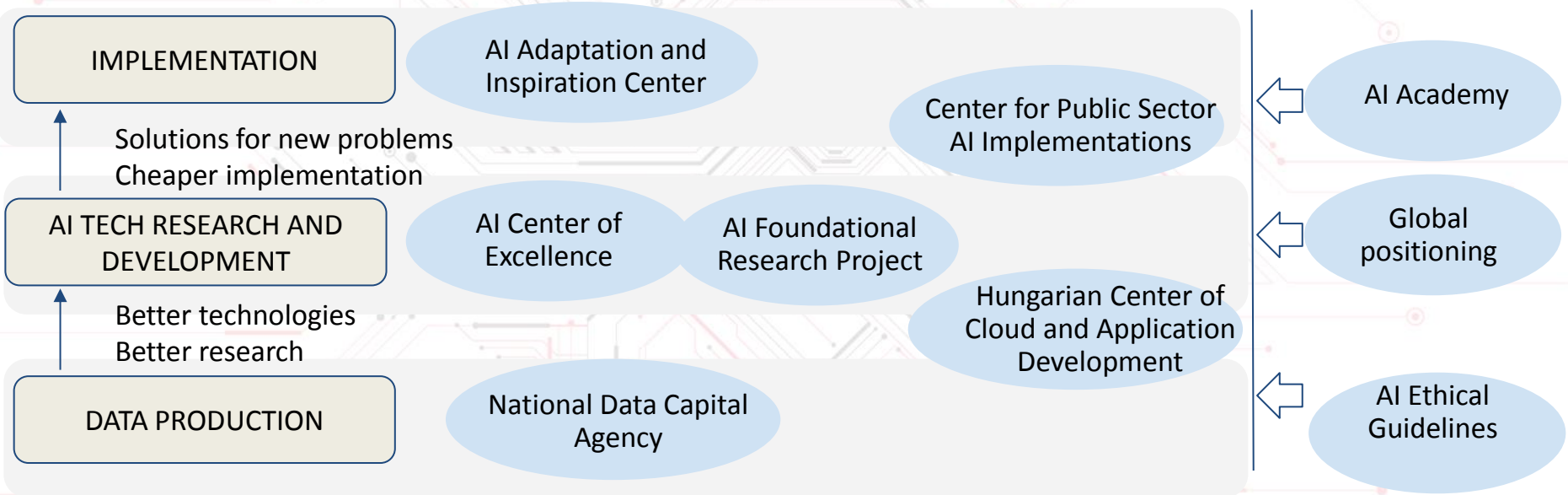
- **Project teams** have been operating since February 2019 to cover **a wide range of focus areas** (data policy, development of governmental services, health care and education, data-driven market cooperation, labor market impact assessment, examination of European best practices etc.)

- The aim is to **translate project team results into real-world achievements** on a possibly largest scale

- **Action Plan** – a **comprehensive set of proposals** that builds on relevant project team output and can be presented to decision makers

- The Action Plan might be a **prelude to a detailed national strategy**

Short-term priority actions



AI Coalition Project Teams

I. Data industry

1. Data policy strategy for AI innovation
2. GDPR compliant data sharing
3. B2B data trade
4. Industry 4.0 data sharing
5. Health care data sharing for research purposes
6. Setting up national data asset sandbox

II. International relations

1. joining the EU AI Networks of Excellence and Digital Innovation Hubs network – Hungarian AI Competence Center
2. AI Hungary website

III. Education and awareness

1. Set-up and operation of AI Academy
2. AI mass education with regard to labor market demand
3. Regional AI innovation hubs
4. AI-supported intelligent study environment
5. How to use Artificial Intelligence? – Hands-on manual for elementary and secondary school pupils

AI Coalition Project Teams

V. Technology and security

1. Cloud-based AI platforms accessible from Hungary
2. AI protection with cyber tools

IV. Applications and market development

1. Industrial AI plaforms
2. Smart health care facility
3. AI in practice (use cases and experience portal)
4. Examination of labor market transformation
5. Supporting governmental administrative services by smart assistents

VI. Regulatory and ethical framework

1. Network building
2. Complex project- Examining ethical framework
3. AI Action Plan
4. Regulatory support of other Coalition Working Group projects
5. Identifying new project themes and focus areas

artificial intelligence
coalition

Thank you for your attention!