Co-development, access & use of advanced AI – Solution idea I

10Oct2022

gesda
GESDA Solutions

Involved people

CO-CHAIRS

Daren Tang, Director General, World Intellectual Property Organization (WIPO)

Rudiger L. Urbanke, Professor for Communication Theory, EPFL

Emmanuel Abbé, Full Professor, Chair of Mathematical Data Science at EPFL

Nanjira Sambuli, Independent policy analyst, member of the UN Secretary-General High Level Panel on Digital Cooperation and GESDA Diplomacy Moderator

CURRENT SOLUTION IDEA CONTRIBUTORS

Challenge to tackle

The anticipatory science on the future of **artificial intelligence** (AI) and **machine learning** shows that the trend towards even **more complex models** is **accelerating** in the 5-10 years to come.
AI technologies have become of **national** (and regional) **strategic importance**. It will impact the **organization** of **society**, and **us a humans** as we see that **access** and **use** of **personal brain data** will become an **increasingly important** issue in **10–25 years**

Solution idea in a Tweet

A **facilitator** for **scenario-mapping** of **advanced AI** and its **deployment**, leading to **principles** and **guidelines** for the **joint development** of advanced AI **tools** for the benefit of all

Pilots/Initiative

Pilots/Initiatives will be identified by the working group in the making

Solution idea key elements

- The proposed Solution idea is looking at **gaps** where **science and diplomacy** coming together at an early stage could **best prepare** us for the **future related** to **advanced AI**
- As many existing initiatives focus on AI governance and use for good, the **identified gap** both for scientists and diplomacy actors alike resides in **anticipating the future technological developments and their potential impact**
- The proposed **Solution idea** would **provide** the **world** with an **observatory** of the **latest trends and developments** in the field and their societal consequences (akin to an IPCC for AI)
- The **observatory** would have **three main focus areas**:
  - **Map trends** and **developments**, identifying the latest trends and developments in advanced AI and where stakeholders best converge to work together
  - **Facilitate scenario mapping** of advanced AI and its impact on people, society and the planet from a global perspective
  - **Identify principles and guidelines** of the use of AI the benefit of all (Soft Law), setting standards for ethics, for exchange of data, etc

Type of Solution idea

☑ Governance ☐ Knowledge ☐ Innovation

Anticipation

ANTICIPATION TIMELINE

5 years — 10 years — 25 years

ANTICIPATORY SCIENCE

1. Quantum Revolution and Advanced AI	2. Human Augmentation
SAB 1 **SAB 2**	**SAB 3** SAB 4
3. Eco-regeneration & Geoengineering	4. Science & Diplomacy
	SAB 7 **SAB 9**
SAB 5 SAB 6	SAB 8 SAB 10

Involved SDGs

© GESDA Solutions