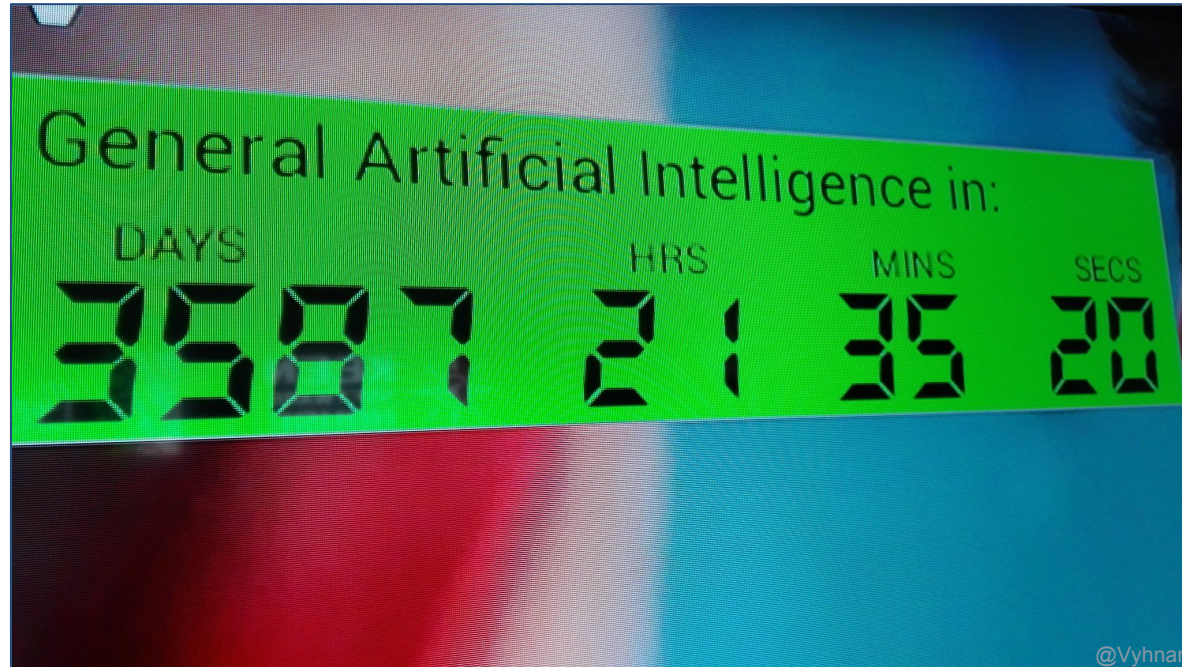


Consolidating the Search for General AI



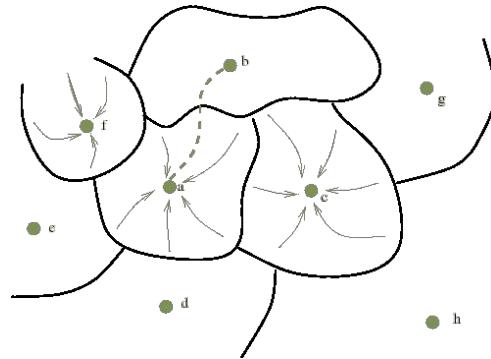
Machine Intelligence Workshop @ NIPS 2016
*Marek Rosa and Jan Feyereisl, **GoodAI***

***Build general artificial intelligence
- as fast as possible -
to help humanity and understand the universe.***



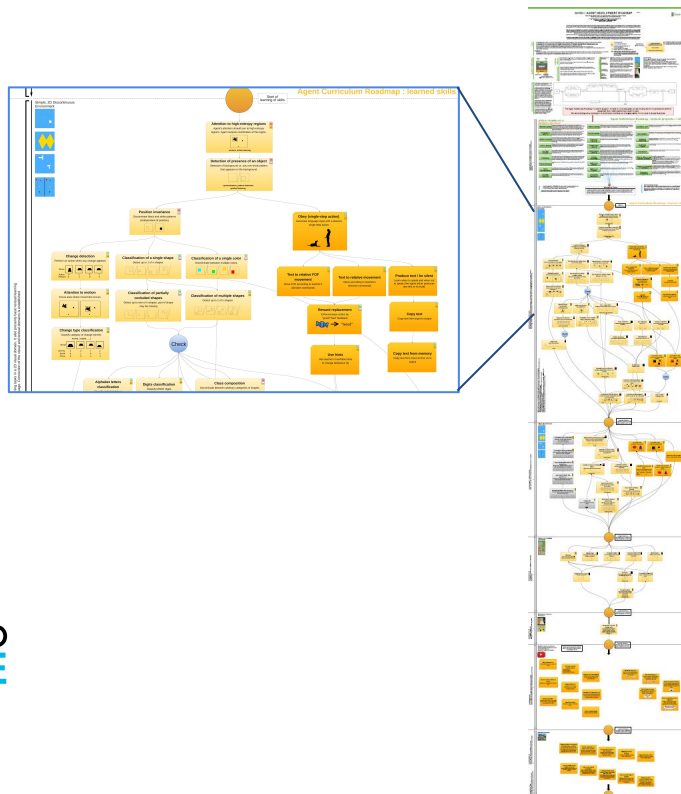
What is slowing us down?

- *Limited field of view*
- *Many stuck in “local optima”*
- *Lack of unified approaches*



How are we helping?

- **Openness**
 - **Framework** (arXiv:1611.00685)
 - Agent Development **Roadmap**
- **Taking Initiative**
 - AI Roadmap Institute
 - General AI Challenge



- Problems
 - Few roadmaps towards general AI
 - Difficult to compare and contrast
 - What is our true progress?
 - Swayed by fashionable trends?
 - Underestimating important research areas?
 - How do we keep up?

- Problems
 - Few roadmaps towards general AI
 - Difficult to compare and contrast
 - What is our true progress?
 - Swayed by fashionable trends?
 - Underestimating important research areas?
 - How do we keep up?



- Independent Institute
 - Roadmap comparisons
 - Identifying dead ends and open research questions
 - Mapping of AI landscape
- Open and Collaborative
- Next Steps
 - Organize Events
 - Write Proposals
 - Engage Community
 - Publish Guides and Comparisons

AI ROADMAP INSTITUTE

ACCELERATING THE SEARCH FOR
GENERAL ARTIFICIAL INTELLIGENCE

"Our mission is to accelerate the search for safe human-level artificial intelligence by encouraging, studying, mapping and comparing roadmaps towards this goal."

[LEARN MORE ABOUT THE INSTITUTE](#)



COMPARE

Study, map and compare technical, safety and futuristic roadmaps in an unbiased and agnostic manner



ADVOCATE

Encourage 'big picture' thinking by advocating the creation of roadmaps towards human-level artificial intelligence



FORESEE

Analyze and compare forward-looking roadmaps that outline approaches to be taken towards general artificial intelligence



IDENTIFY

Identify the fastest and safest path towards general AI by identifying dead ends and open research problems on which the community should focus

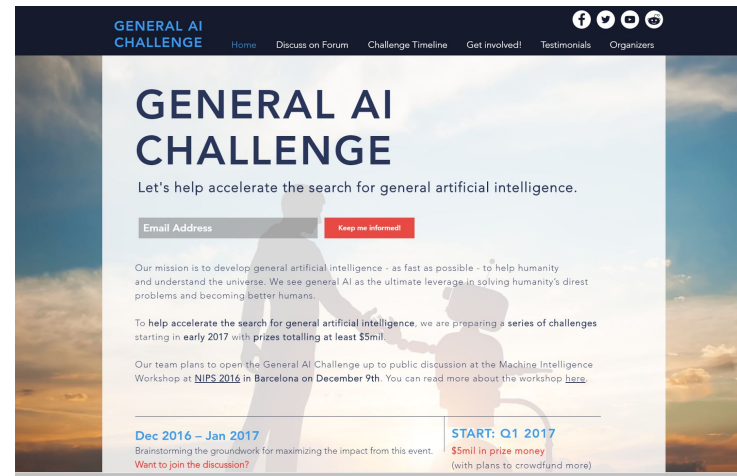
- How do we accelerate progress even further?
 - Specific problems
 - Fundamental research questions
 - Intense focus
 - Biggest leap towards general AI

- How do we accelerate progress even further?
 - Specific problems
 - Fundamental research questions
 - Intense focus
 - Biggest leap towards general AI



GENERAL AI
CHALLENGE

- Series of Challenges
- Prizes totalling **\$5m**
- First Challenge - **Gradual Learning**
 - **Stage 0 - Brainstorming**
 - **Stage 1 - Requirements**
 - **Stage 2 - Implementation**
- Next Challenge?
 - **Safety? Curricula? Roadmapping?**
 - **Help us choose!**



www.general-ai-challenge.org

The end

Join in!



www.roadmapinstitute.org

GENERAL AI
CHALLENGE

www.general-ai-challenge.org

THANK YOU!

