

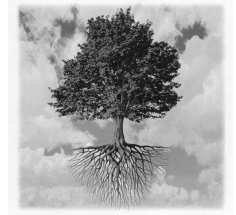


# Emergent Views of World and Self

A.E. Eiben

Free University Amsterdam

[www.cs.vu.nl/~gusz](http://www.cs.vu.nl/~gusz)



**Long term vision:** create (initiate + evolve) an artificial society that develops its own perception on the world and themselves.

- Individual development: learning and evolution
- Social development: emergence of commonsense, culture, memes, shared knowledge, ...
- Communication and language skills required

## Specific challenges:

- proper bias for mental framework: hard-wired vs. emergent features
- how to understand them, communicate with them



## **Ultimate aim seems too ambitious for 3-4 years:**

- Identify feasible subgoals, stepping stones
- Distill one (or more?) feasible project(s)

## **Relevant competences**

- Artificial societies, artificial life
- Evolution
- Learning
- Communication and language (evolution of)
- Cooperation (evolution of)
- Evolvable knowledge representations (symbolic, neuro)
- Psychology, philosophy of consciousness
- Large scale, distributed computing