Cognition

Infrastructure

Action

Emotion



B-Prize for Cognition

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BiPCo

- Cognition (including AI) is initially biological, and is now also implemented for much on machines.
- The Prize aims at enabling the development of beneficial effects.
- Cognition is important for the 4 "colors" of life: for the *imaginary*, and also, via modeling, for the *real*, for *values*, and for the *collective*; and gateways connect these worlds.
- The Prize must help to disseminate this knowledge, for the general good.
- It conciliates five generous principles, for large-scale actions.
- The rules provide for a triangular system:
 - Sponsor(s): financial resources and long-term public recognition
 - Public: financial and cognitive benefits, with a view to a better life
 - MCS Theory of Cognition (including the notion of expertise to do right and fast; and some elements of wisdom).

Cognition (via modeling)		
Action for survival and changing the world	Cognition (per se) for planning and steering action	Emotion for synchronization with reality* for setting goals and launching action**
"Muscle", physical engine	" Brain ", cognitive engine	" Heart ", Indicator of values at stake (threats and opportunities)
Physical, real world, Laws of nature; true	Cognitive, imaginary world , Laws of logic; right	mixed mode, ("meta-logic") emotional domain; Laws of value ; good
`		* immersed part of iceberg (unconscious)

References.:

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- 2. J.-D. Dessimoz, HESSO.HEIG-VD, 2nd Int. Conf. on Natural Cognition, 10-11 Dec. 2015, Macao
- 3. Robotics and Automated Systems-Elsevier, nov. 2016, <u>http://dx.doi.org/10.1016/j.robot.2016.08.008</u>
- 4. Jean-Daniel Dessimoz, « Cognition and Cognitics Definitions and Metrics for Cognitive Sciences, in Humans, and for Thinking Machines, 2nd edition, augmented, with considerations of life, through the prism "real – imaginary – values – collective", and some bubbles of wisdom for our time », Roboptics Editions IIc, Cheseaux-Noreaz, Switzerland, 345 pp, March 2020..

** visible part of iceberg; re. etymology of emotion