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Towards computational learning science: modeling creative problem solving in child-robot interaction through behavioral learning analytics

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Mnemosyne

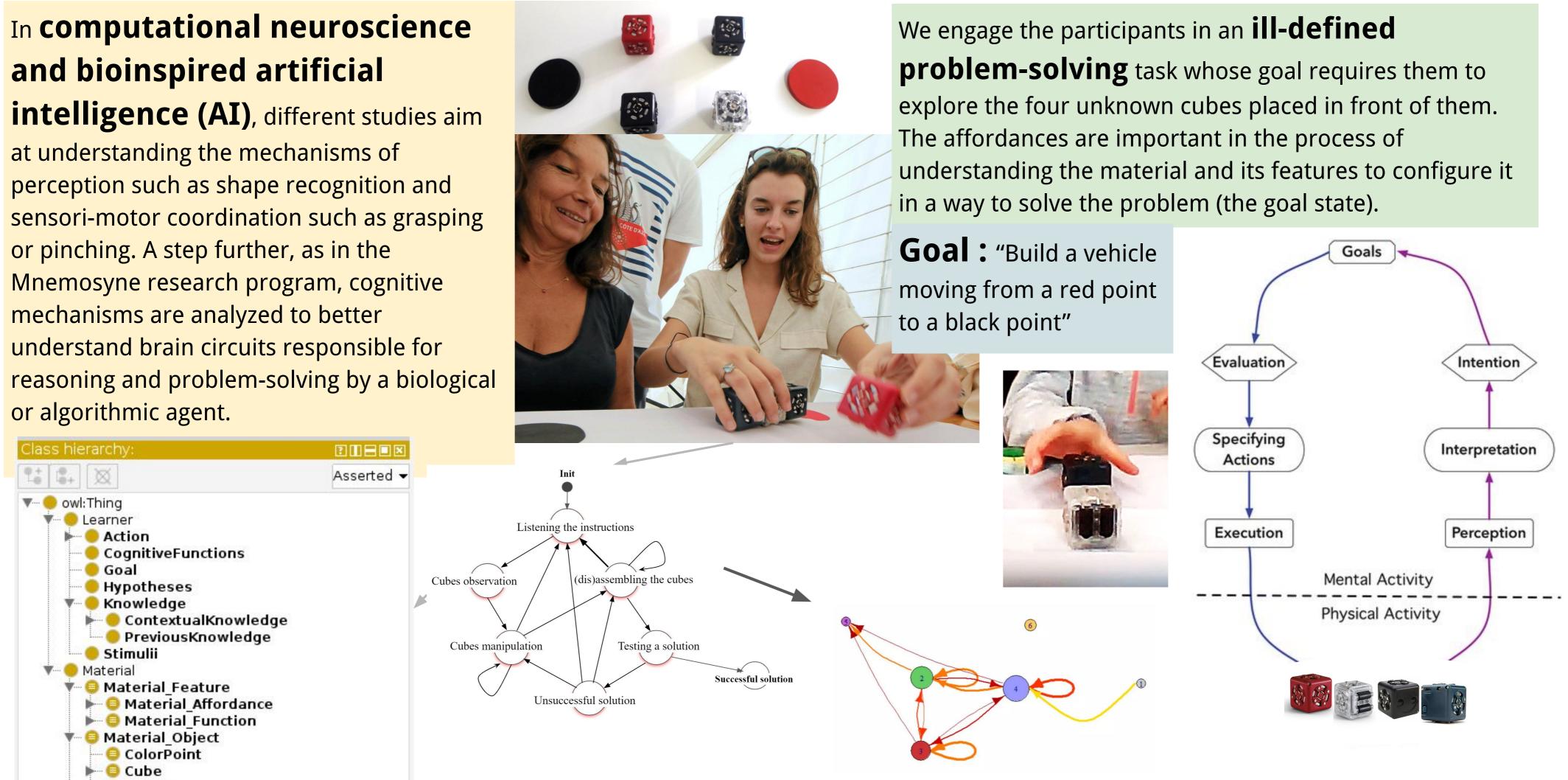




#CreaCube Big data corpus of creative problem-solving tasks (n>1300 experiments). Each video is coded based on a behavioral learning analytics coding schema

and bioinspired artificial

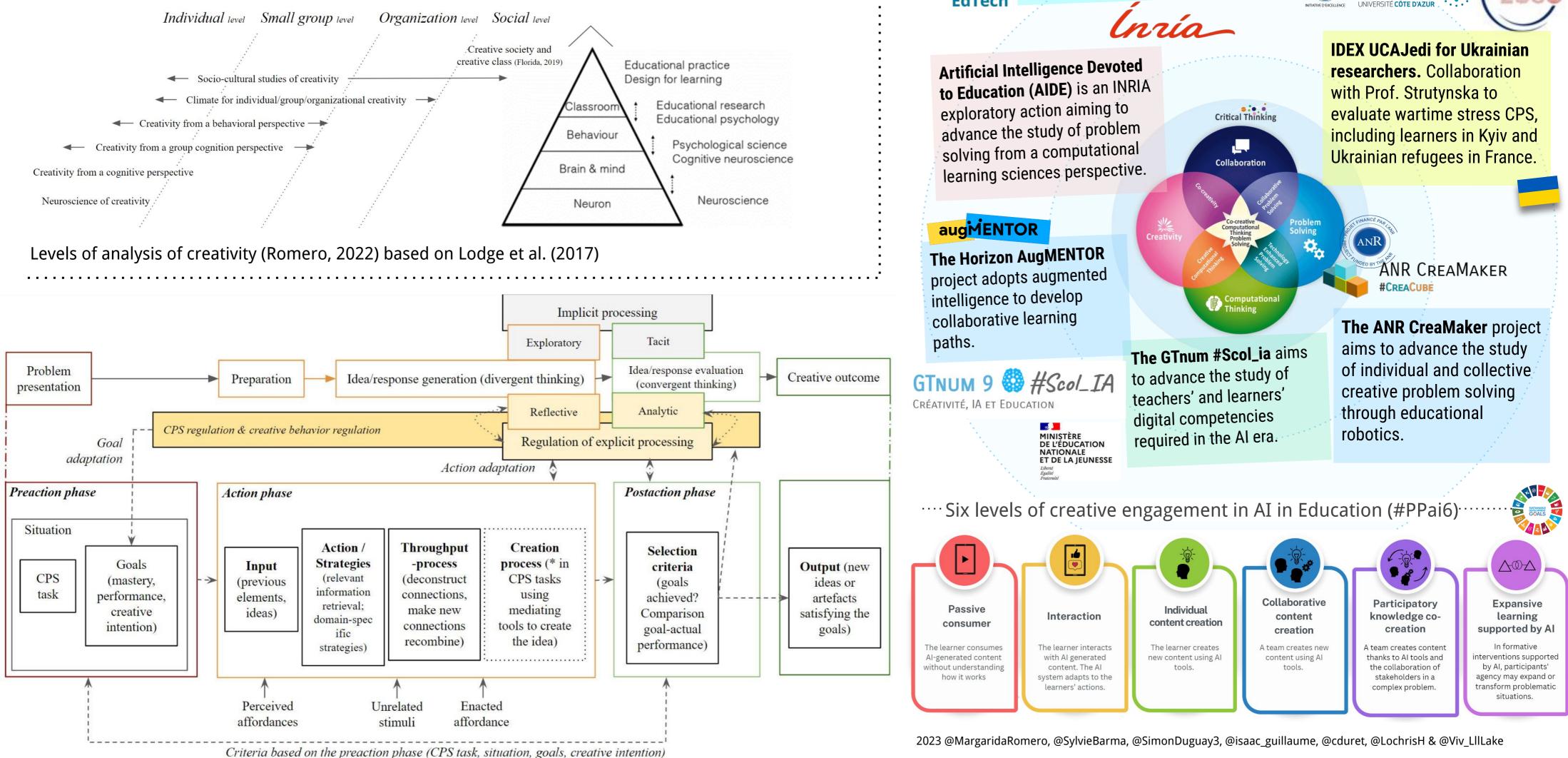
intelligence (AI), different studies aim perception such as shape recognition and mechanisms are analyzed to better understand brain circuits responsible for reasoning and problem-solving by a biological





The ANR CreaMaker and AIDE projects aim to better understand **creative problem solving** by analyzing the interaction between brain processes and problem-solving activity from a behavioral perspective. The CPS behavior (intentions + CPS regulation) is analyzed based on learning analytics generated automatically and also through human analysis of this activity based on coding schemes.

#CreaComp is a research program in computational learning sciences for the advancement of the study of creative problem solving.



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