Record Nr. UNINA9910464404103321 Autore Maldonato Mauro Titolo The predictive brain: consciousness, decision and embodied action // Mauro Maldonato Pubbl/distr/stampa Eastbourne, England:,: Sussex Academic Press,, 2014 ©2014 **ISBN** 1-78284-138-5 Descrizione fisica 1 online resource (113 p.) Disciplina 612.8/23 Soggetti Decision making - Psychological aspects Cognitive neuroscience Brain Electronic books. Lingua di pubblicazione Inglese **Formato** Materiale a stampa Livello bibliografico Monografia Note generali Description based upon print version of record. Nota di bibliografia Includes bibliographical references and index. Nota di contenuto Front Cover; Title Page; Copyright; Contents; Introduction; 1 At the Origin of the Experience of the Self; 2 The Roots of Conscious Awareness: 3 Consciousness: A Multilevel Framework: 4 Between Conscious Global Workspace and Unconscious Levels; 5 Does a Hierarchy of Nervous Functions Exist?; 6 Movement's Architectures; 7 The Origin of Movements: 8 Ecological Rationality: Intuition, Decision and Other Evolution Strategies; Index; Back Cover Sommario/riassunto An investigation of the working of the human mind, this book sets out to show that the brain is not only a reactive mechanism, but rather proactive, allowing people to make hypotheses, anticipate consequences, and formulate expectations. The book discusses how the evolution of motor modes of behavior, such as the ability to construct and manipulate instruments, has given rise to an "embodied logic" underpinning not only action and prediction but also gestures and syllable sequences that are the basis of human communication.

This book then looks