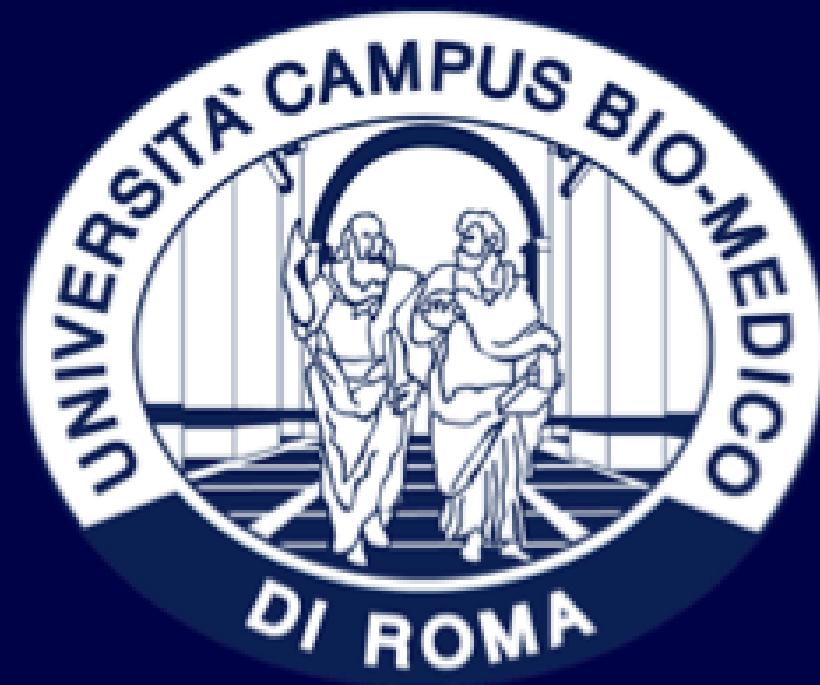


Uomo, Tecnologia e Industria

TRANSIZIONI DIGITALI

2019 UCBM

MARTA BERTOLASO (FAST)



MARSHALL MCLUHAN

*Uomo, Tecnologia e
Industria*

**Lo specialista è colui che non fa mai piccoli
sbagli mentre avanza verso un grande errore!**

TRANSIZIONI

1

Automazione

2

Autonomie

3

Accessibilità

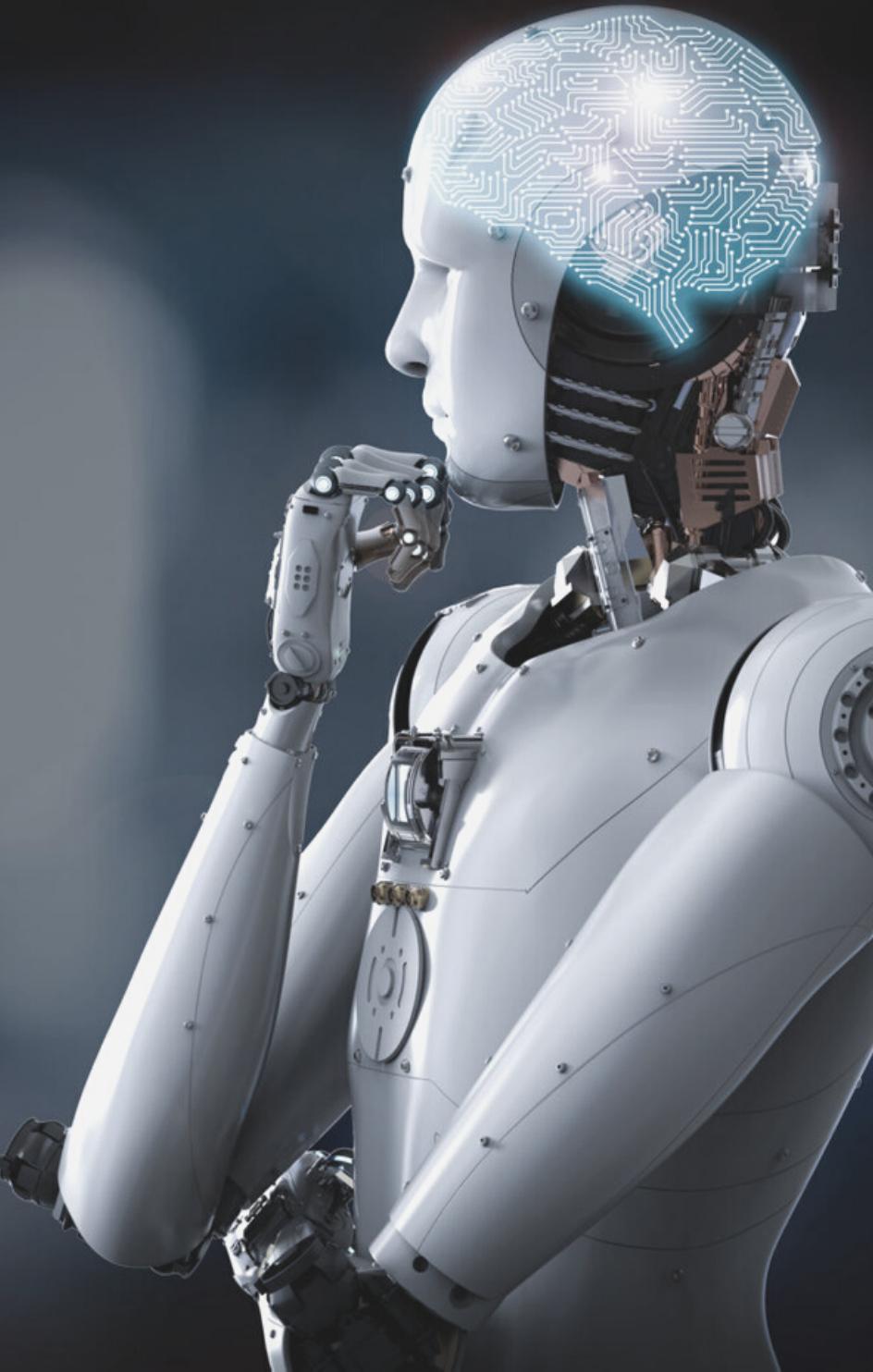


AUTOMAZIONI

AUTONOMIE



AUTONOMIE



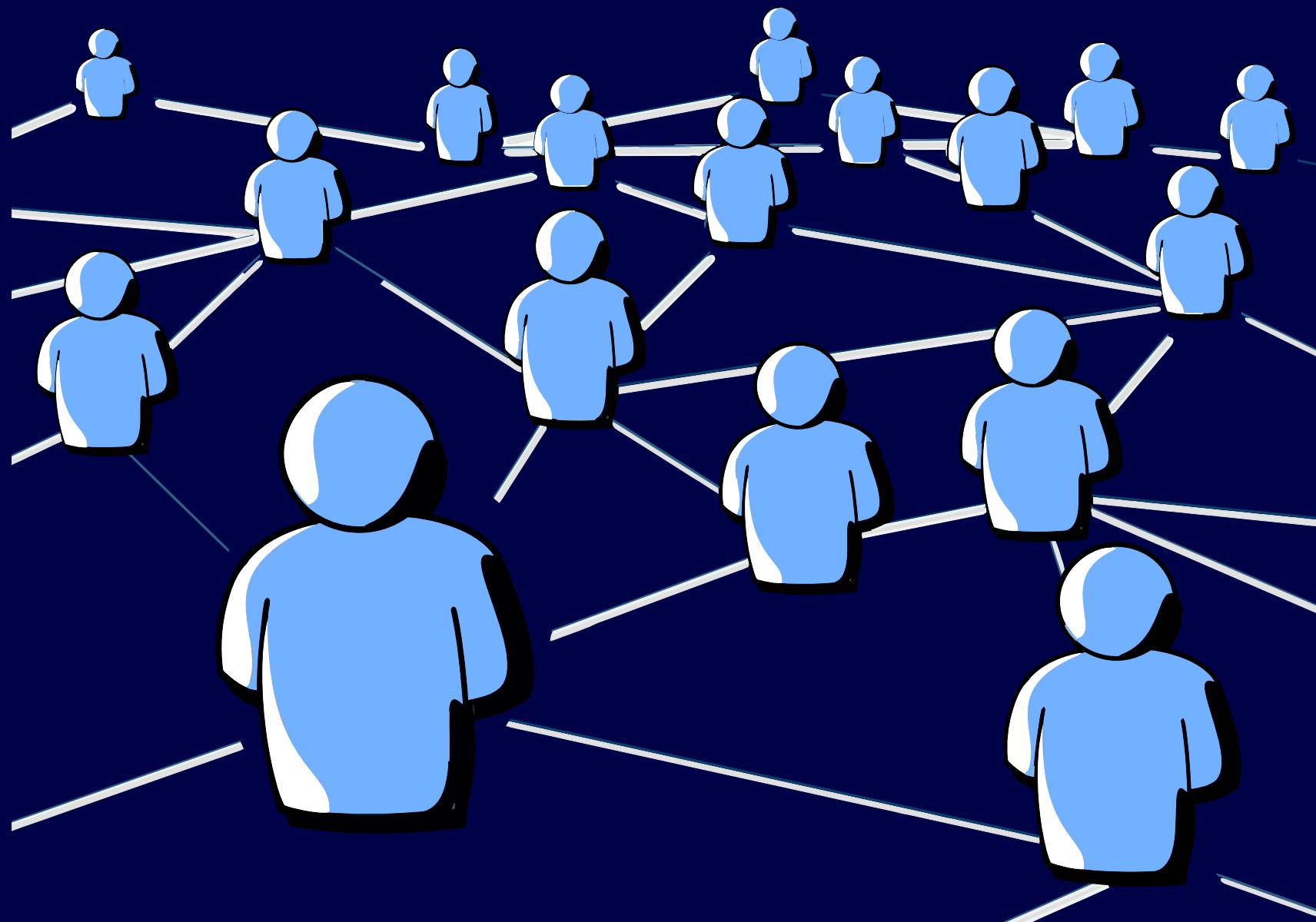


VELOCITY
AND
EFFICIENCY

POSSIBILITIES
OF ACTION

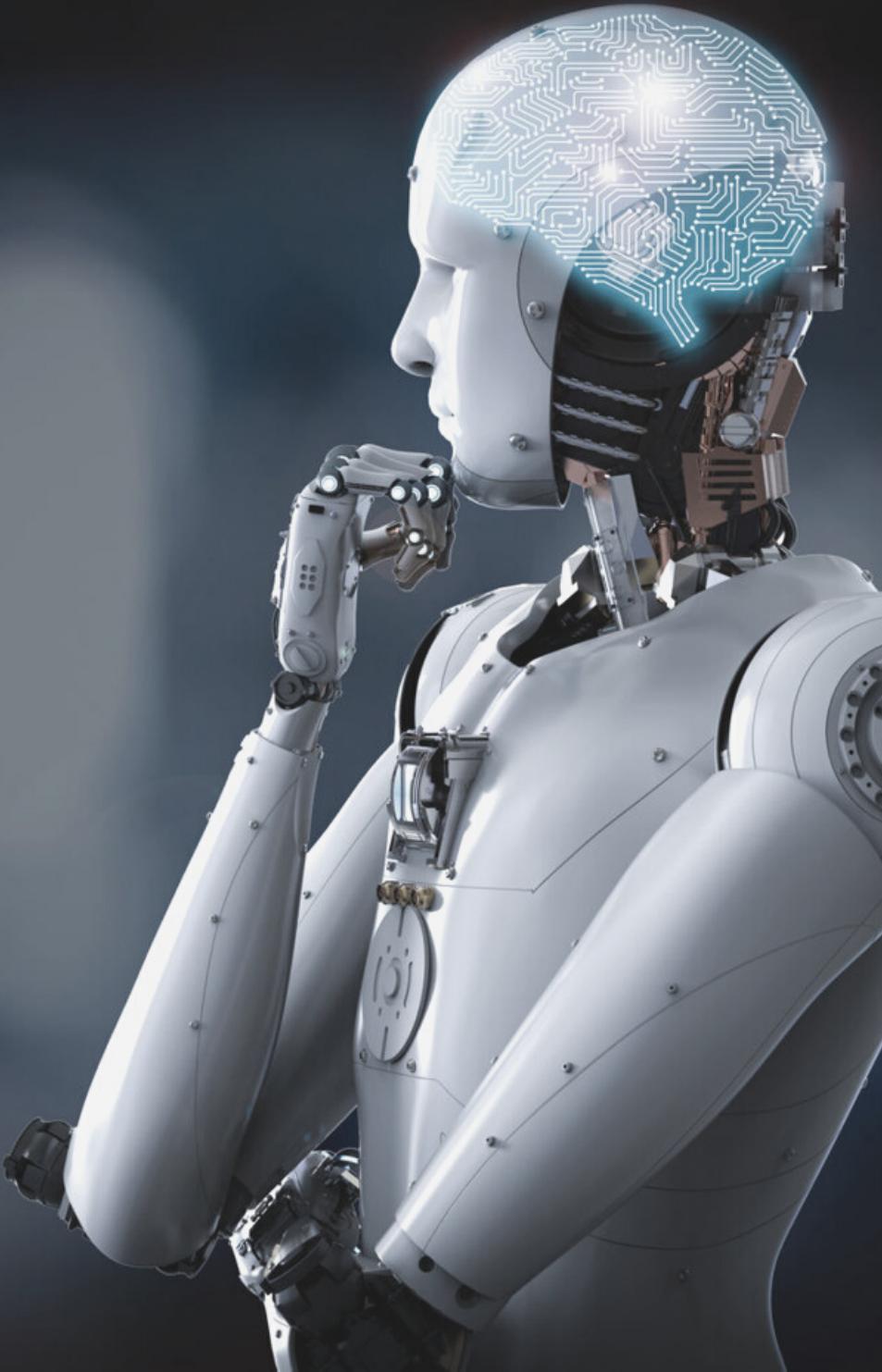
CONTROL

ACCESSIBILITA'



**NON C'È DIGITALE
SENZA L'UMANO**

LA SCIENZA PER L'UOMO



DE- MATERIALIZZAZIONE DELLE RELAZIONI'



*Uomo, Tecnologia e
Industria*

Tre Dimensioni



LA SCIENZA PER L'UOMO

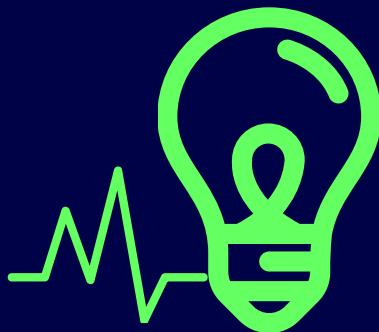
*Uomo, Tecnologia e
Industria*

MODELLO

Come ogni forma vivente un'idea, una persona, una organizzazione, un'industria o una società fioriscono secondo una LOGICA di SVILUPPO INTEGRALE.

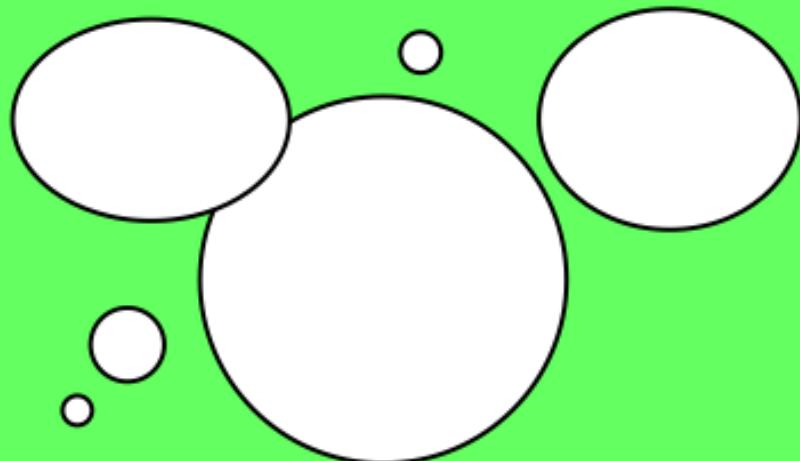
Investire su questo potenziale richiede un UMANESIMO TECNOLOGICO.

Tre Dimensioni



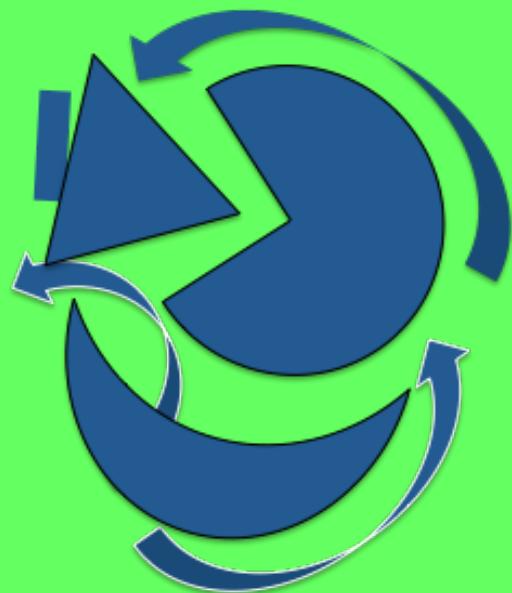
Human Centric Paradigm

**FRAGMENTED/REDUCTIONIST
KNOWLEDGE**



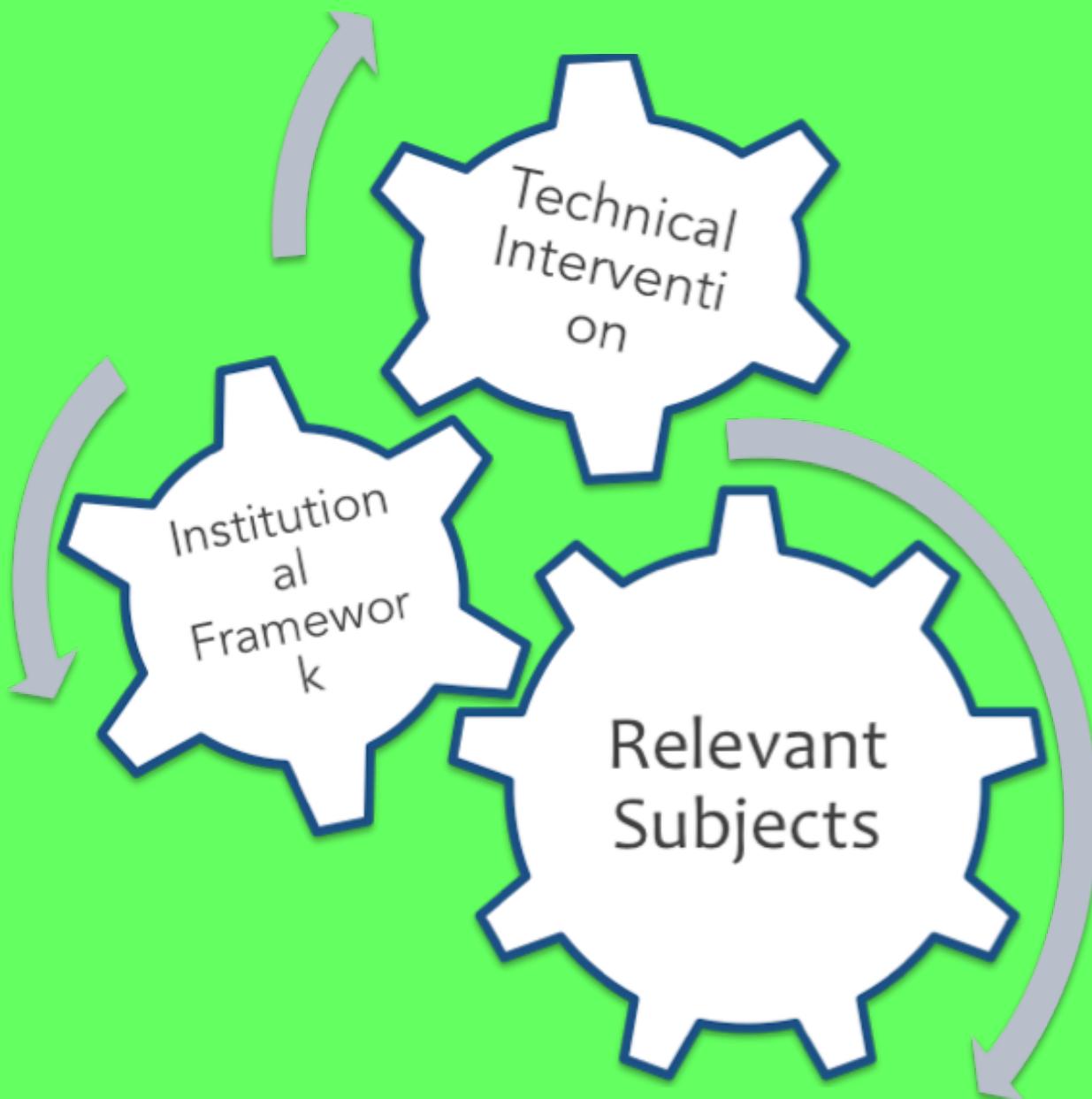
**Inefficient
Outcomes**

**INTEGRATED
KNOWLEDGE**



**Sustainable
Benefits**

INTEGRATED VS INDIVIDUALISTIC MODELS

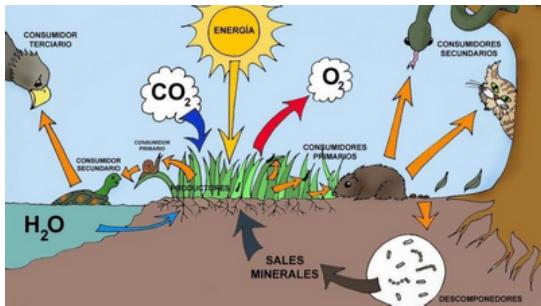


*Uomo, Tecnologia e
Industria*



SUPERMERCATO

Ricerca Integrata

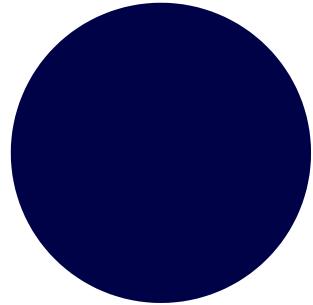


ECOSISTEMA

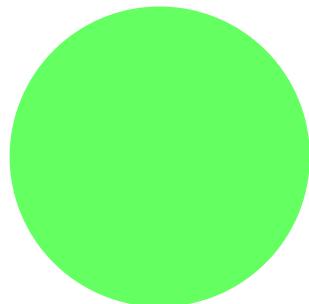
*More than fragmented processes,
relational interactions*



*Uomo, Tecnologia e
Industria*



**FEE-FOR-SERVICE-
MODEL**



**VALUE-
BASED-MODEL**

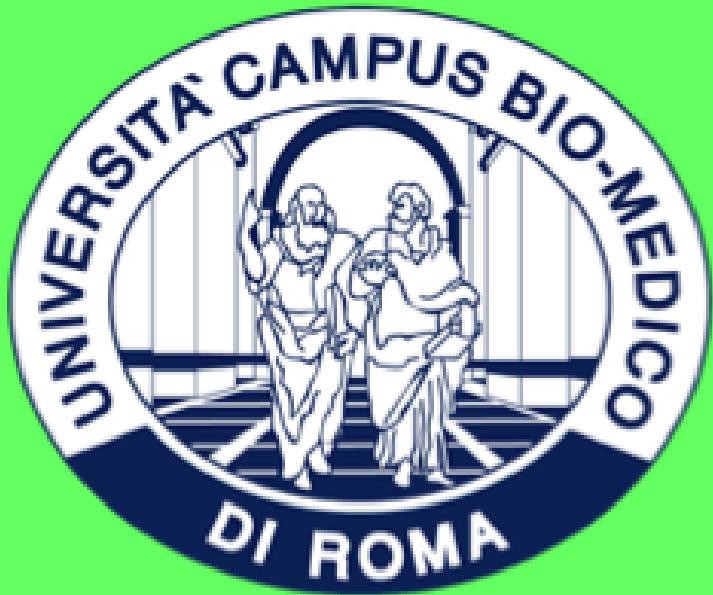
Human Centric Paradigm

*Uomo, Tecnologia e
Industria*

PURPOSE 2.0

Total Societal Impact (TSI)

*Uomo, Tecnologia e
Industria*



GRAZIE!

MAIN REFERENCES

- Abbà, G. (1996). Quale impostazione per la filosofia morale? *Ricerche di filosofia morale*. Roma: LAS, Libreria Ateneo Salesiano.
- Annas, J. (1993). The Morality of Happiness. <https://doi.org/10.1093/0195096525.001.0001>
- Anscombe, G. E. M. (1958). Modern Moral Philosophy. *Philosophy*, 33(124), 1–19.
- Aquinas, T. (1998). *Sententia Libri Ethicorum* (Commento all'Etica Nicomachea) (Vols. 1–2). Bologna: ESD.
- Archer, M. S. (2013). Social Morphogenesis and the Prospects of Morphogenic Society. In M. S. Archer (Ed.), *Social Morphogenesis* (pp. 1–22). Dordrecht: Springer.
- Aristotle. (2000). *Nicomachean Ethics*. Cambridge, U.K. ; New York: Cambridge University Press.
- Bertolaso, M. (2016). *Philosophy of Cancer: A Dynamic and Relational View*. New York, NY: Springer Berlin Heidelberg.
- Bertolaso, M. (2018). The Threshold of Scientific Rationality. The Relational Ontology of Levels: Emerging Epistemology for Biological Sciences. In H. Velázquez (Ed.), *Interdisciplinariidad y naturaleza. Un acercamiento de la filosofía a la biología, y viceversa* (pp. 83–102). Ciudad de México: Tirant Lo Blanch.
- Bertolaso, M. (2019). Artificialmente e Umanamente: Epistemologie a Confronto. *Paradoxa, Transizione digitale*(2).
- Bertolaso, M., O'Brien, J., & Manier, A. E. (2013). Mechanisms & Biological Mechanism. In R. L. Fastiggi, J. W. Koterski, & V. M. Salas (Eds.), *New Catholic Encyclopedia Supplement 2012-13: Ethics and philosophy*. Detroit: Gale.
- Bertolaso, M., & Ratti, E. (2018). Conceptual Challenges in the Theoretical Foundations of Systems Biology. In M. Bizzarri (Ed.), *Systems Biology* (Vol. 1702, pp. 1–13). https://doi.org/10.1007/978-1-4939-7456-6_1
- Bertolaso, M., & Rocchi, M. (2019). *Specifically Human: Human Work and Care in the Age of Machines*. Forthcoming.
- Brizi, M. R., & Bertolaso, M. (2018). The Long Road Towards Sustainability: The Contribution of Domestic Work. In F. J. Insa Gómez (Ed.), *Il volto del lavoro professionale* (Vol. 5). Rome: Edizioni Santa Croce.
- Floridi, L., Cowls, J., Beltrametti, M., Chatila, R., Chazerand, P., Dignum, V., ... Vayena, E. (2018). AI4People—An Ethical Framework for a Good AI Society: Opportunities, Risks, Principles, and Recommendations. *Minds and Machines*. <https://doi.org/10.1007/s11023-018-9482-5>
- González, A. M., & Iffland, C. (Eds.). (2014). *Care Professions and Globalization*. <https://doi.org/10.1057/9781137376480>
- Han B-C (2014) La società della trasparenza, *Figurenottetempo*.
- MacIntyre, A. C. (2007). *After Virtue: A Study in Moral Theory* (3rd ed.). Notre Dame, Ind: University of Notre Dame Press.
- Marcos, A. (2001). *Ética ambiental*. Valladolid: Secretariado de Publicaciones e Intercambio Editorial, Universidad de Valladolid.
- Mercado, Juan Andrés (Ed.). (2018). *Personal Flourishing in Organizations*. Cham, Switzerland: Springer.
- Pennacchini, M., Bertolaso, M., Elvira, M. M., & De Marinis, M. G. (2011). A Brief History of the Quality of Life: Its Use in Medicine and in Philosophy. *La Clinica Terapeutica*, 162(3), e99–e103.
- Rhonheimer, M. (2013). *The Perspective of Morality: Philosophical Foundations of Thomistic Virtue Ethics*. Catholic University of America Press.
- Spaemann, R. (1989). *Glück und Wohlwollen: Versuch über Ethik*. Stuttgart: Klett-Cotta.
- Spaemann, R. (2006). El final de la modernidad. In R. Alvira & K. Spang (Eds.), *Humanidades para el siglo XXI* (1. ed, pp. 101–124). Pamplona: Ediciones Universidad de Navarra.
- Spaemann, R., & Löw, R. (2013). *Fini naturali: storia & riscoperta del pensiero teleologico*. Milano: Ares.
- Stanford University. (2016). *Artificial Intelligence and Life in 2030*.
- The European Commission's High-Level Expert Group on Artificial Intelligence. (2018a, December 18). *A Definition of AI: Main Capabilities and Scientific Disciplines*. Retrieved from https://ec.europa.eu/futurium/en/system/files/ged/ai_hleg_definition_of_ai_18_december.pdf
- The European Commission's High-Level Expert Group on Artificial Intelligence. (2018b, December 18). *Draft Ethics Guidelines for Trustworthy AI. Working Document for Stakeholders' Consultation*. Retrieved from <https://ec.europa.eu/digital-single-market/en/news/draft-ethics-guidelines-trustworthy-ai>
- Wilson, H. J., & Daugherty, P. R. (2018). Collaborative Intelligence: Humans and AI Are Joining Forces. *Harvard Business Review*, (July-August), 114–123.
- World Economic Forum. (2018). *The Future of Jobs Report*. Retrieved from Centre for New Economy and Society website: http://www3.weforum.org/docs/WEF_Future_of_Jobs_2018.pdf