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## “Technoscience Platforms in Europe. Research, Economy, Innovation” Il Mulino 2024

**Technoscience Platforms in Europe. Research, Economy, Innovation** (Il Mulino 2024) contains excerpts of the Italian volume **Le Piattaforme Tecno-scientifiche in Europa. Ricerca, economia, innovazione** (edited by **Quadrio Curzio, A., Silvani, A., Fortis, M., Cerniglia, F.**, Il Mulino, 2023), hereafter referred to as «Piattaforme 2023», which collects, arranges, and updates the contributions provided by outstanding personalities at the 12 October 2022 conference held at the **Accademia Nazionale dei Lincei** (ANL). The event was jointly promoted by the research centre **CRANEC** of Università Cattolica, Milan and **Fondazione Edison** (FE), to present the conclusions of the research project - «Technoscience Platforms (TSP) and Reference Communities. The Mind Human Technopole (M-HT) case in Milan» - sponsored by **Fondazione Cariplo**.

The English volume contains a new «**Foreword**» and «**Preface**» not featured in «Piattaforme 2023», as well as the full translation of two sections of the Italian book: the «Introduction and Presentation» and the «End of Conference Considerations» dedicated to the four ministers who concluded the conference.

The «Foreword» co-authored by **Alberto Quadrio Curzio** and **Marco Fortis**, the President and Co-President of Fondazione Edison's Scientific Committee, elucidates FE's innovative strides and pioneering work, along a quarter of a century, in the field of «Technosciences» and provides a glimpse of the milestone conferences and the multifaceted research undertaken which is rooted in «structural economic analysis», thus combining analytical, institutional and empirical research. It also contains a brief overview of the Italian volume.

The «Preface», penned by **Alberto Quadrio Curzio** describes the background and initiatives that as a continuum led to the project which in part resulted in «Piattaforme 2023». The longstanding collaboration between the Accademia Nazionale dei Lincei and Fondazione Edison is also described, drawing on parts of the «Premessa» of the Italian volume.

The Preface also mentions takeaways from prior TSP conferences as well as partly reproduces the speeches delivered by three presidents at the 2022 conference: **Roberto Antonelli**, President of the Lincei Academy, **Nicola Monti**, President of the Edison Foundation and **Giovanni Fosti**, President of Fondazione Cariplo. Their speeches offer insights from individuals whose presidencies involve decisions on the daily operations of a leading public institution, a major corporation, and a renowned foundation.

The «Introduction and Presentation», co-authored by **Alberto Quadrio Curzio** and **Alberto Silvani**, is fully translated. It provides a detailed overview of «Piattaforme 2023» along with some insights and a compelling description of why TSPs or European TSPs should be used as a model. The section ends with «the slightly daring proposal to regularly organise meetings like the one held at the Lincei Academy (possibly every other year). This could happen potentially within the Edison Foundation's twenty-year framework on technoscience (except for occasional intervals), which is eloquently summarised in Marco Fortis's contribution, and maintain interdisciplinarity as a guiding reference, which we believe is fundamental to understanding and (assisting in) decision-making».

«Piattaforme 2023» is divided into four parts. **Part One** «Conference and Contributions» explains the foundations and perspectives of Technoscience Platforms both in Italy and in Europe and contains the opening addresses by three presidents. It is followed by four sections on Science, Technology, Opportunities, Prospects; Process Governance as a Theme in Different Experiences; Platforms, Infrastructure and Impact; and Cases and contextualized considerations.

**Technoscience Platforms in Europe. Research, Economy, Innovation** (Il Mulino, 2024) contiene due nuove parti in inglese - una «Foreword» e «Preface» - oltre alla traduzione di alcune parti del volume italiano **«Le Piattaforme Tecno-scientifiche in Europa. Ricerca, economia, innovazione»** a cura di Alberto Quadrio Curzio, Alberto Silvani, Marco Fortis, Floriana Cerniglia (Il Mulino, 2023)

«Piattaforme 2023» raccoglie i risultati del secondo convegno fatto in collaborazione con l'Accademia Nazionale dei Lincei (ANL) **Le Piattaforme della Tecno-Scienza. Dalle esperienze ai loro contributi per il futuro** (ANL, 12 ottobre 2022). Approfondisce le interazioni tra le tecno-scienze e le reti europee, cruciale per valutare e valorizzare appieno il contributo che le piattaforme tecno-scientifiche possono dare per il futuro dell'Europa.

I principali risultati del primo convegno **Le Piattaforme delle tecnoscienze: Italia ed Europa** (ANL, 30 ottobre 2019) sono contenuti nel volume **Euro-piattaforme: scienza, tecnologia ed economia. Una connessione cruciale per l'Italia** (a cura di Marco Fortis, Alberto Quadrio Curzio e Alberto Silvani nella Collana della Fondazione Edison, Il Mulino 2020).

La traduzione in lingua inglese di alcune parti del volume citato si trova in **Euro-platforms: Science, Technology and Economy. A crucial connection for Italy. Excerpt from "Euro-Platforms: scienza, tecnologia ed economia"** (a cura di Quadrio Curzio, A., Fortis, M. and Silvani, A., nella Collana della Fondazione Edison, Il Mulino 2021).

I convegni si focalizzano sul mondo delle piattaforme tecnoscientifiche e nel loro impatto sulla ricerca, sull'economia e sull'innovazione in Europa.

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**Part Two** «Technoscience Platforms and Reference Communities» contains three sections. The first, 'CRANEC's Research at Università Cattolica', presents the investigation undertaken by the CRANEC research centre, funded by **Fondazione Cariplo** and coordinated by professors **Floriana Cerniglia**, **Alberto Silvani** and **Alberto Quadrio Curzio**. It explains the process, results and conclusions of the research. The second section is on 'A Selection of Significant Contributions' and the last section, 'Unresolved Issues, Seizing Opportunities and Establishing Checks' draws on the research and results highlighting advancements, opportunities and prospects for platforms.

**Part Three** «Innovation and Made in Italy Competitiveness: A 'Self-Generated Platform'» by **Marco Fortis** exemplifies how innovation can be significantly bolstered with the crucial support of entrepreneurial contributions. He presents the Edison Foundation's research on innovation and competitive capabilities within Italian industry and showcases how the trajectory of innovation gains substantial impetus through the indispensable support of entrepreneurial contributions – essentially the linchpin of Italy's competitive edge. He describes the unique Made in Italy platform, a sort of «self-generated platform» capable of enduring and thriving in a landscape characterized by perpetual uncertainty and instability.

**Part Four**, «Final Considerations and Conclusions», is fully translated. It features the contributions of four eminent scholars who, at the time of the conference were, or had been, Ministers in the Italian Government. **Patrizio Bianchi** (Minister of Education) spoke on Organising research to govern complexity. **Maria Cristina Messa** (Minister of University and Research) provided her perspective on Technoscience Platforms, their structure and research strategies; **Giovanni Trià** (Minister of Economy and Finance) shared his observations on Financing Research and Innovation, Balancing Public and Private Assets and finally, **Francesco Profumo** (Minister of Education), presented on Platforms and Future Challenges. The contributions seamlessly integrate both analytical and political assessments, addressing one of the pivotal issues of these decades impacting science, institutions, enterprises, and policies at large.

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