





United Nations Educational, Scientific and Cultural Organization

Information for All Programme

Data, Digital assets and Platforms for innovation

The World Conference on Intellectual Capital for Communities

UNESCO, July 12&13



PA



# The platformic firm under the accelucted regime

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# -1-Context, Objectives and general approach to ISD programme



Make the link between the past and the future of use of Information systems /digital resources (1970-2020)

- Draw the attention of Executives (CEOs, CIOs...) to the important strategic stakes, related to the transition from the industrial economy to the networked (knowledge/intangibles) economy and society
  - Propose the building blocks of the understanding of the implications of such transformation
  - Design the 2020 enterprise and its related digital resources /function



### -2-

# The programme results: **25 proposals, one production system**

## 2.1-ISD Programme and the digital transformation 25 proposals / 7 dimensions

### **I-Emerging business models**

II- Work, coordination and digital uses

**III- Internal innovation practices** 

**IV- Open (external) innovation practices** 

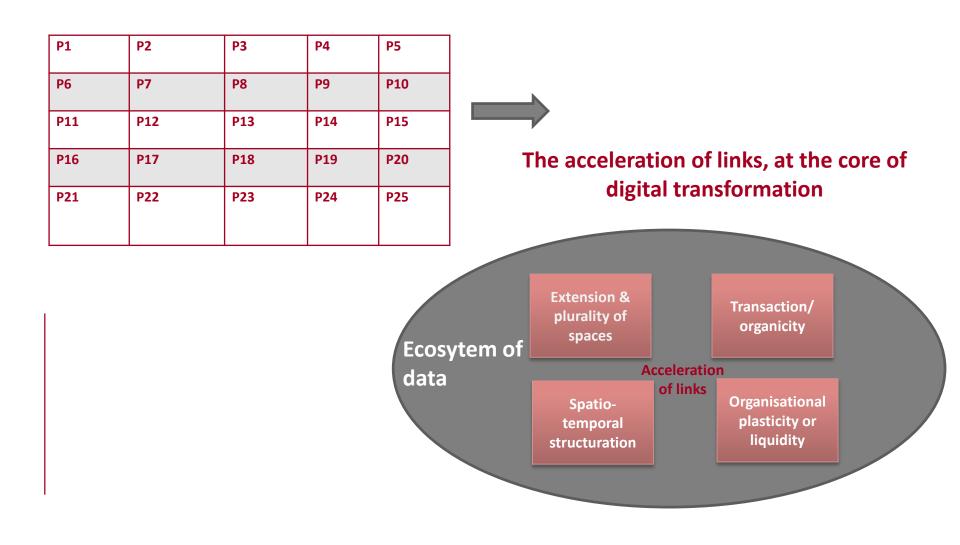
V- Enterprise space and knowledge flows

VI-The social and ethical dimensions of use

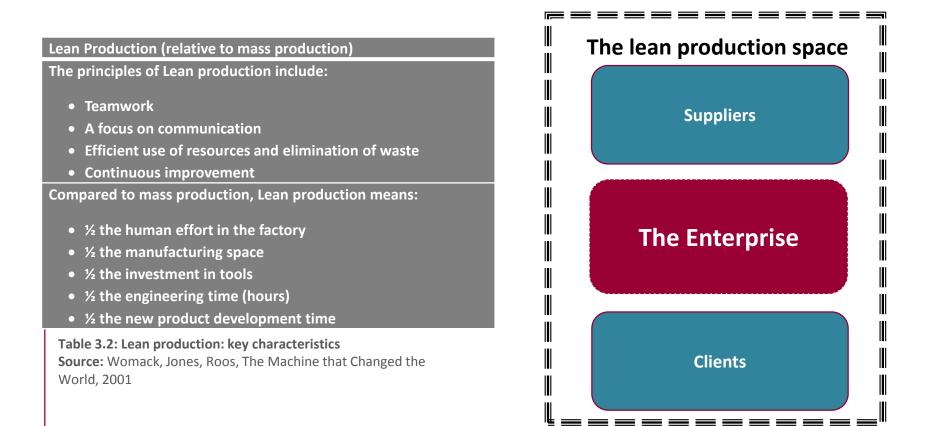
VII- Data, intellectual property, and the specificity of digital

P1	P2	Р3	P4	P5
P6	Р7	P8	Р9	P10
P11	P12	P13	P14	P15
P16	P17	P18	P19	P20
P21	P22	P23	P24	P25
	P6 P11 P16	P6         P7           P11         P12           P16         P17	P6         P7         P8           P11         P12         P13           P16         P17         P18	P6         P7         P8         P9           P11         P12         P13         P14           P16         P17         P18         P19

## 2.2. DESIGNING THE 2020 ENTERPRISE: The conceptual building blocks



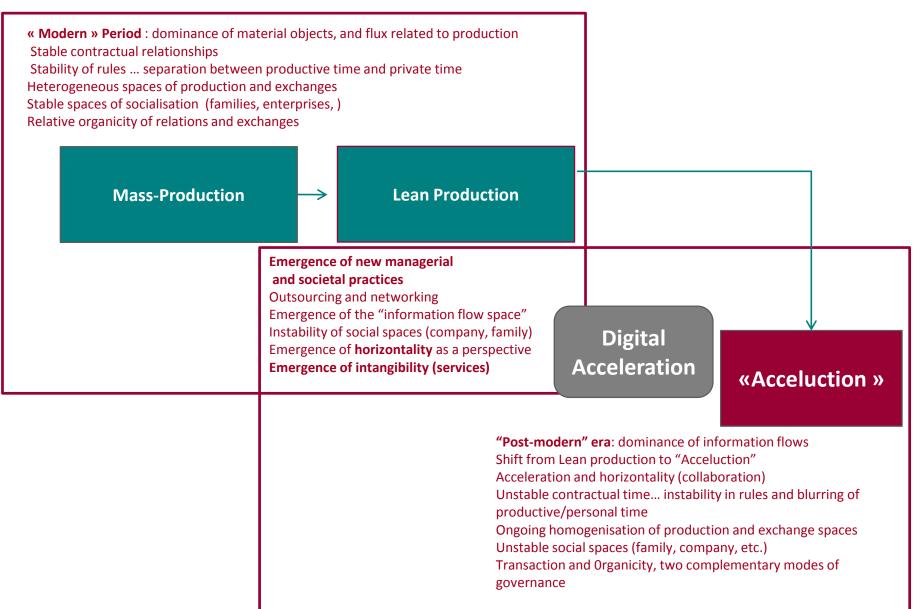
### **2.2. DESIGNING THE 2020 ENTERPRISE:** *The conceptual building blocks From Lean Production to Acceluction*



### **2.2. DESIGNING THE 2020 ENTERPRISE:**

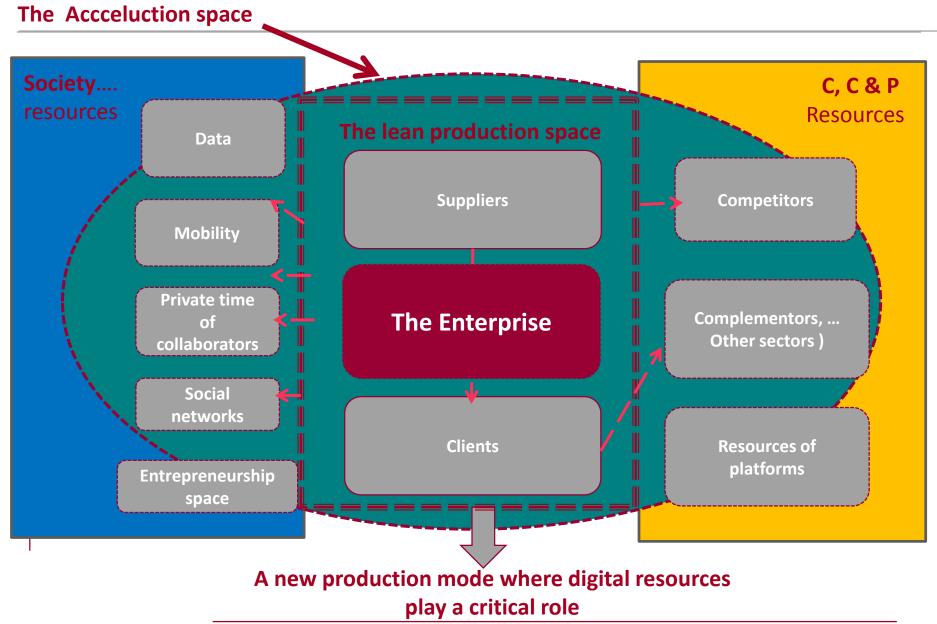
### The conceptual building blocks

### From Lean Production to Acceluction



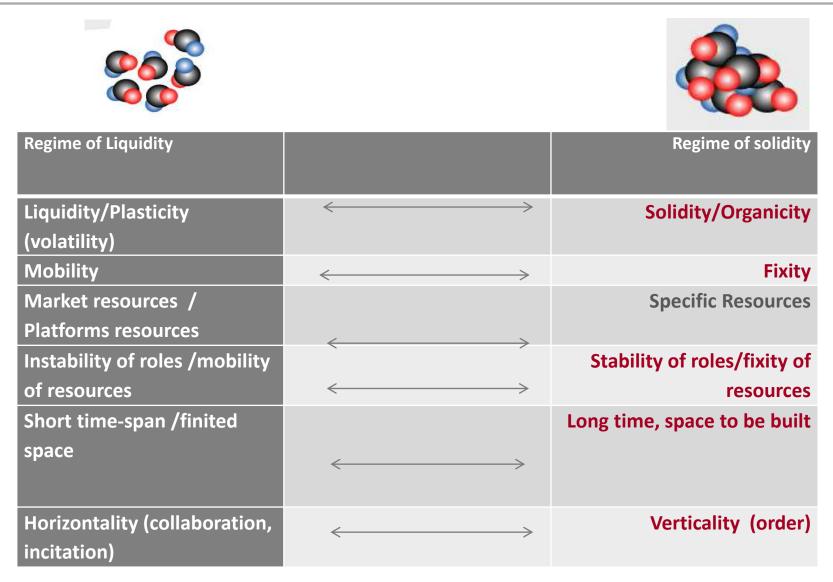
### -III-The 2020 enterprise: its value creation spaces and underlying tensions

### 3.1. The 2020 enterprise: its value creation spaces



### 3.2 - The 2020 enterprise:

### A space of tensions



## 3.3 - The 2020 enterprise:

### A space of tensions

UNDERLYING TENSIONS	CONCRETE MANAGEMENT SITUATIONS
• Mobility / Fixity	<ul> <li>What business models for mobile uses in the enterprise?</li> <li>How can we turn mobility into an effective front office?</li> <li>How do we redeploy staff from fixed-status tasks to mobile statuses?</li> <li>What are the appropriate coordination mechanisms?</li> </ul>
<ul> <li>MARKET RESOURCES / PLATFORM RESOURCES</li> <li>/ OWN RESOURCES</li> </ul>	<ul> <li>How do we make trade-offs between own investments (legacy, internal teams) and market resources (cloud, etc.)?</li> <li>How do we manage the question of intellectual property rights and digital assets (proprietary rights, shared rights)?</li> <li>How do we deploy digital platforms, and how do we manage the data issue?</li> <li>How can we integrate external spaces (social networks)?</li> <li>How do we handle the question of joint resources (including employees)?</li> </ul>
<ul> <li>UNSTABLE ROLES, MOBILE RESOURCES / STABLE ROLES, FIXED RESOURCES</li> </ul>	<ul> <li>In partner relationships (customer, suppliers, etc.) how do we assess the stability of roles and statuses (will customers always be customers)?</li> <li>What stability is there for investments, and so for the return on investment for resources allocated to our customers and partners?</li> </ul>

# **3.3 - The 2020 enterprise:** *A space of tensions*

UNDERLYING TENSIONS	CONCRETE MANAGEMENT SITUATIONS
• SHORT TIMESPANS, FINITE SI TIMESPANS, NEW SPACE TO I	• What is the timespan of the company's activities (P&D, design
• HORIZONTALITY-COLLABORA VERTICALITY-ORDER-HIERAR	Millest inconting systems for Concretions C and V2

1	2	3
Polyspaces	Back to basics	Mesospaces
4	5	6
Platforms rule	Network	Resistance to
	abundance	digital

1	1	2	3	I
	Polyspaces	Back to	Mesospace	
		basics	S	l
l				l
	4	5	6	l
	Platforms	Network	Resistance	l
	rule	abundance	to digital	l

1 – Polyspace	• Acceluction governs the development of links between multiple value creation spaces.
	• The 2020 enterprise will have to select the types of links it needs to develop
	• Open innovation practices, crowdsourcing, and the use of markets reach maturity.
	• At the societal level, the current heterogeneity of norms and rules enables enterprises to capitalize on links with these spaces

1	2	3
Polyspaces	Back to	Mesospace
	basics	S
4	5	6
Platforms	Network	Resistance
rule	abundance	to digital

2 – Back to basics	• In this scenario, the 2020 enterprise refocuses its activities internally.

• The practices of outsourcing, massive use of the Cloud, and more generally of the market, reach their limits,

 acceluction is expressed in two ways: internally, via the acceleration of business and management processes (R&D, innovation, IT...), and externally, via coordination with partners, the securing of market positions, and the development of the customer experience.

1	2	3
Polyspaces	Back to basics	Mesospaces
4	5	6
Platforms	Network	Resistance to
rule	abundance	digital

3 – Mesospaces	• The 2020 enterprise focuses its acceluction efforts on developing links between spaces of different statuses (networks, communities, territories, enterprises), often with a local or territorial base,
	• but sometimes with a global reach (such as large science campuses like Saclay).
	• These links are both transactional and organic. The variety of statuses and structures is a key dimension here.

1	2	3
Polyspaces	Back to basics	Mesospaces
4	5	6
Platforms rule	Network	Resistance to
	abundance	digital

#### 4 – Platforms rule

#### • THIS SCENARIO STRESSES THE PLATFORM DIMENSION OF DIGITAL.

- THE **2020** ENTERPRISE FINDS ITS DIGITAL STRATEGY HEAVILY DEPENDENT ON ITS OWN PLATFORM STRATEGY, AS WELL AS ON ITS LINKS WITH THE MAJOR DIGITAL PLATFORMS, WHICH DOMINATE AND CAPTURE THE LION'S SHARE OF THE VALUE CREATED.
- INNOVATIONS ARE ORGANIZED AND ARTICULATED AROUND THESE GLOBAL-SCALE PLATFORMS.
- THE PLATFORM STRUCTURE BECOMES THE HUB AROUND WHICH MOST DIGITAL ACTIVITIES ARE ORGANIZED. ACCELUCTION PLAYS AN IMPORTANT ROLE HERE IN LINKS BETWEEN PLATFORMS AND THEIR CLIENT/PARTNERS, AS WELL AS WITH USERS (ESTABLISHING PROFILES, SERVICE OFFERINGS, ETC.).

1	2	3
Polyspaces	Back to	Mesospace
	basics	s
4	5	6
Platforms	Network	Resistance
rule	abundance	to digital

### 5 – Network abundance

- Under this scenario, the 2020 enterprise harnesses the full potentialities of digital, notably through strong connection between physical and virtual spaces. This scenario assumes that all legal, social (privacy) and technical uncertainties have been resolved regarding the availability, circulation and monetization of data. It is in this scenario that acceluction acquires its full meaning.
- Value is created by the acceleration of links between physical objects and virtual spaces, between different business data (proprietary, joint, non-proprietary), and between (and within) businesses. The digital spaces thus defined become essential levers of digital transformation. By leveraging network abundance, enterprises amplify the growth of their business.

1 Polyspaces	2 Back to basics	3 Mesospace s
4	5	6
Platforms	Network	Resistance
rule	abundance	to digital

#### 6 – Resistance to digital

This scenario assumes a kind of social boycott of digital uses, or at least a certain form of data-centric digital use, leading large sections of society to reject it. By resistance we mean here heightened vigilance about the use of personal or workrelated data in contexts where there are few controls. On top of this there is, at the international level, serious fragmentation of the legal framework, creating uncertainty that prevents uniform use of data globally. Under this scenario, the 2020 enterprise develops a strategy attentive to the ethical dimensions of use and their effectiveness. It co-constructs solutions with users, and shares the rent with them transparently. It also develops vigilance mechanisms on intellectual property aspects, in a fragmented legal context. 1-Managerial issues related to post-2020 digitality

- The question of decision making
- The question of the real time
- The need for specialised skills
- The issue of organisational design

2-Societal issues related to post-2020 digitality

- The status of employment and job opportunities
- Forms of social interaction
- Intangibility and digitality
- The issues of platforms (US vers China)

# Thank you for your attention

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