

# CEPS & Project MAKERS Policy Workshop: Industry 4.0 Implications for an EU industrial policy

## introduction

Marco Bellandi \*

Session on Industrial policy 4.0 for growth and prosperity

Brussels, 25<sup>th</sup> January 2018



MAKERS - Smart Manufacturing for EU growth and prosperity is a project funded by the Horizon 2020-MSCA-RISE - Grant agreement number 691192.

\*



Fondazione per la ricerca  
e l'innovazione

\*



UNIVERSITÀ  
DEGLI STUDI  
FIRENZE

## *Industry 4.0 for growth & prosperity*

So ... I4.0 is not good per se, just because cuts across current frontiers of innovation and high-tech

It is good **if** it helps bring sustainable growth and prosperity within territories, their populations of firms and workers, and between territories

This meets a well-know and more general question:

Do the exploration and exploitation of I4.0 potentialities **need** polarization of knowledge, decision-power, capital, industries, and places ?

– in that case what about widespread growth & prosperity –

or

A **variety** of solutions is possible ?

– some consistent with virtuous circles between parts of I4.0 potentialities and a wide mobilization of specific capabilities joining new technologies and new and traditional industries within paths of territorial growth & prosperity, also by means of local product-service systems of SMEs –

## *Policies I4.0 for sustainable growth and prosperity*

If we accept variety as a meaningful field of discussion and initiative, a second question arises, again quite well-known and inserted in more general themes:

Are different solutions just **natural** outcomes of market games ?  
or

Does each solution combine also with sets of **appropriate policies** ?  
In particular

What features should policies I4.0 consistent with **virtuous circles** have:  
place-based, place-blind, or multi-scalar ?

**Place-based:** public goods specific to interactions and collaborations within local constellation of actors; aspiring to insert industrial development into open innovation ecosystems and RIS

**Place blind:** new industries and related public goods have at least a national basis and surely a global reach, those of NIS and GIN, given the wide digital-led pervasiveness of the current fourth wave

**Multi-scalar:** virtuous circles develop combining new and traditional industries and would be strengthened by support of public goods coordinated across local/regional, national, and international scales