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“Setting the Scene: The Regional Innovation Ecosystem”

OULU, 28 SEPTEMBER 2015

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Regions CoR

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The Dutch EU Presidency Spring 2016

Cities in the Spotlight: Renewing and Strengthening EU's Urban Agenda Cities



Source: Report to come out of print soon,
by Lambert van Nistelrooij, MEP

Cities and urban areas are becoming more important

- as engines of economic growth and employment,
- as breeding grounds for art, culture and creativity and
- as the place for innovation and start-ups.

Nearly $\frac{3}{4}$ of 500 million EU citizens live in urban areas. But also problems and societal challenges often accumulate in cities.

What does that mean for University-Industry collaboration?

City Developments on 3 Levels

To achieve our targets means especially the need of pioneering regions and cities, as well as a flow of activities covering three levels:

- 1. Smart region**, focus on the mindset change towards entrepreneurial discovery and the role of regional and city governance within the regional innovation strategies based on smart specialisation EU RIS3 (example: either the level of four Helsinki metropolitan cities or the larger metropolitan up to Lahti)
- 2. Regional innovation ecosystem**, focus on orchestration and speeding up the change (example: Espoo Innovation Garden and the West-Metro corridor)
- 3. City Innovations**, focus on the city as an enabler of innovation and for that focus on processes needed in co-creating the culture for effective partnerships in moving from incubation (speeding the innovation) to acceleration (smart growth) (example: Finland with many experimentations and positive concrete city innovations which are not scaled to global markets)

→ This requires new developments for university-industry collaboration:
We need to modernize the Triple Helix

Berlin Region as a City of Innovation

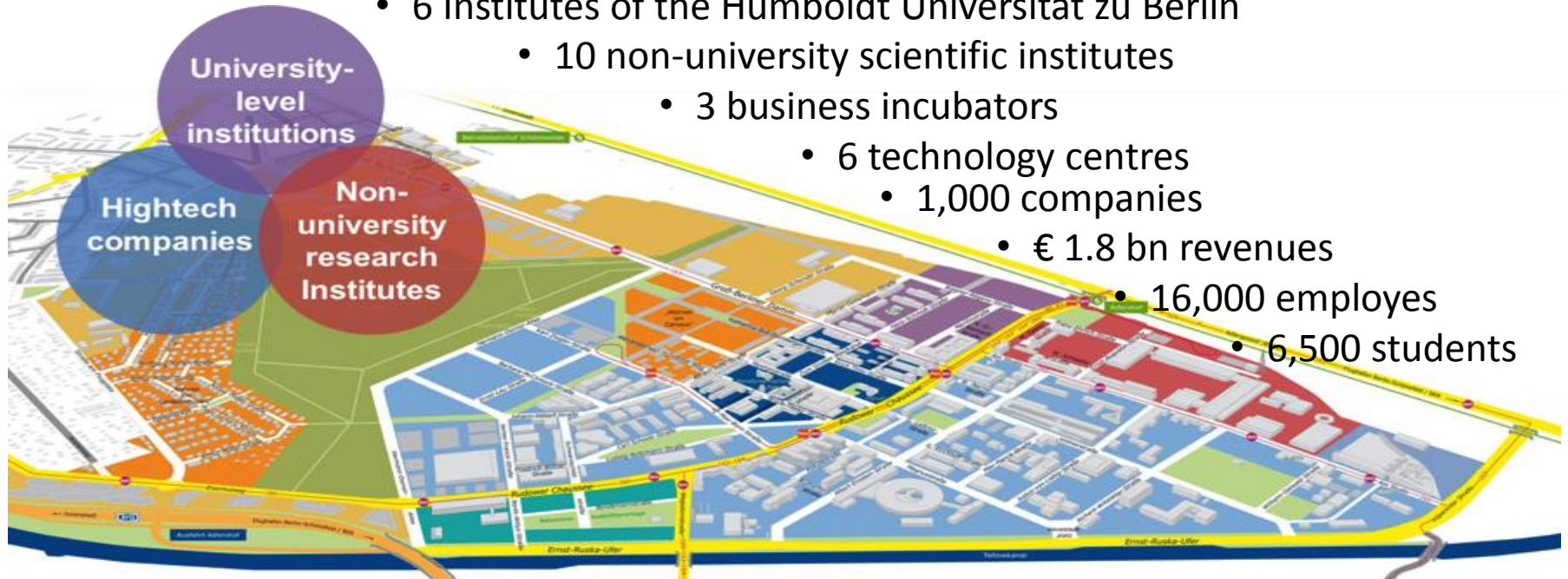
Adlershof has become the role model for Berlin's 10 places of future innovation. These „Zukunftsorte“ feature:

- 51 non-university research institutes
- 10 business incubators
- 2,000 high-tech companies

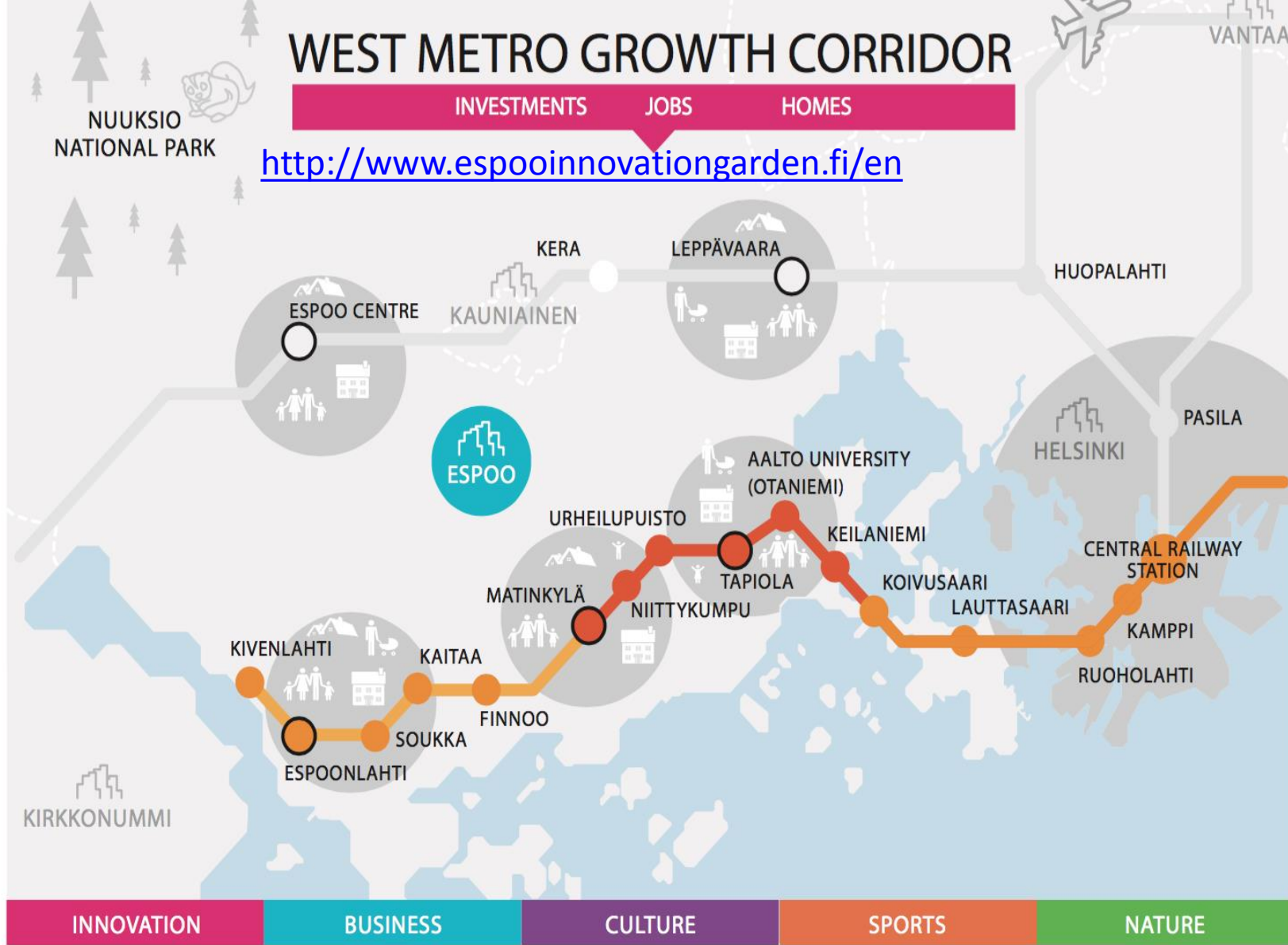


Adlershof: A unique SciTech Cluster

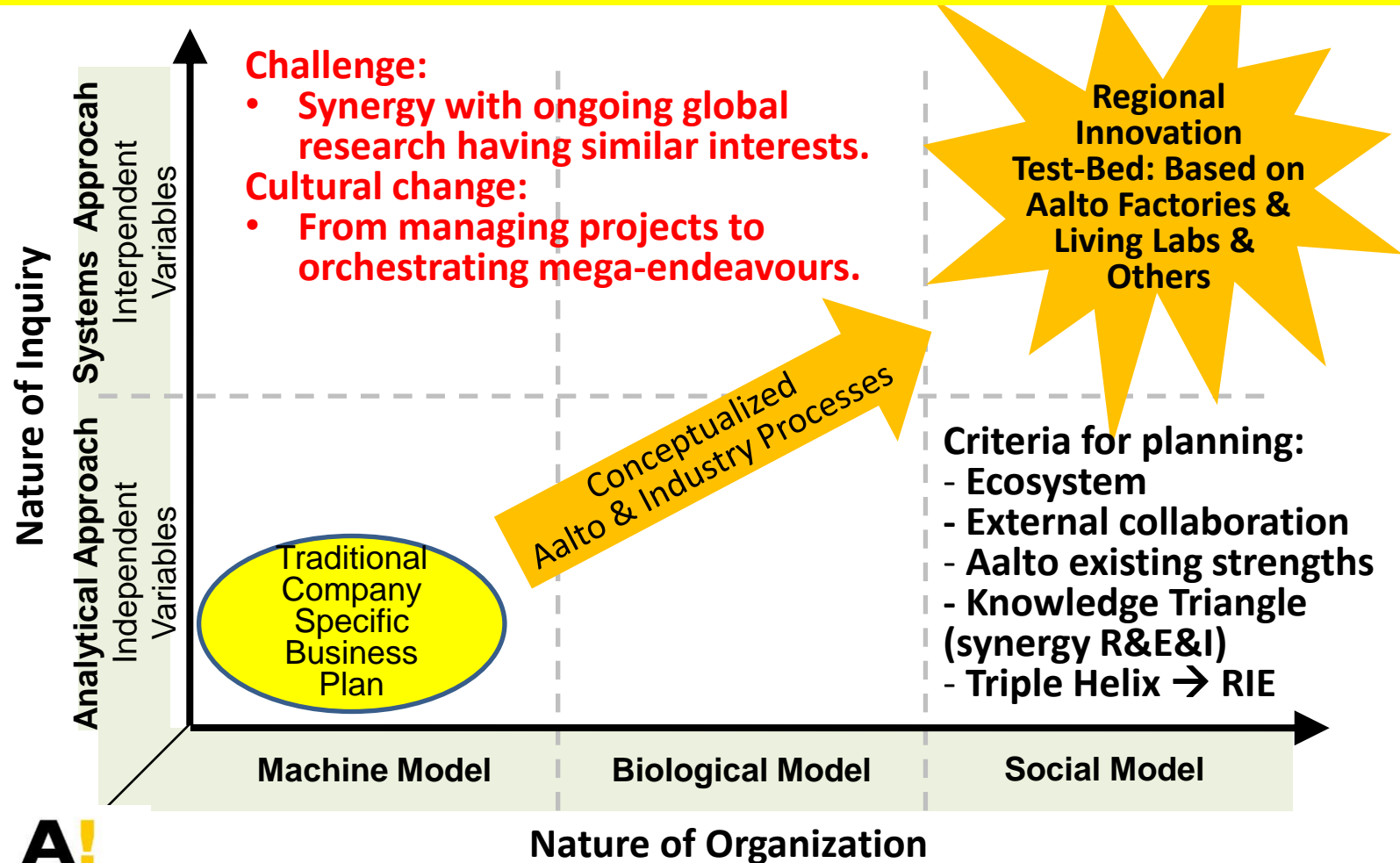
- 6 Institutes of the Humboldt Universität zu Berlin
 - 10 non-university scientific institutes
 - 3 business incubators
 - 6 technology centres
 - 1,000 companies
 - € 1.8 bn revenues
 - 16,000 employes
 - 6,500 students



**Metro extension to the west from downtown
Helsinki will open in the fall 2016**



How Did We Start? Energizing Urban Ecosystems Research Program: Orchestrating an Extensive Mega-endeavour



Markkula, M., Pirttivaara, M. & Miiikki, L., 2011 Developed from:
Gharajedaghi, J., 2006. Systems Thinkig: Managing Chaos and Complex
Butterworth-Heinemann

ACSI 2015 co-created new activities in tackling this challenge

CHALLENGE I

Espoo West Metro Corridor as an Innovation Implementation Zone



SHARING
your thoughts &
working together is the base
for a strong society

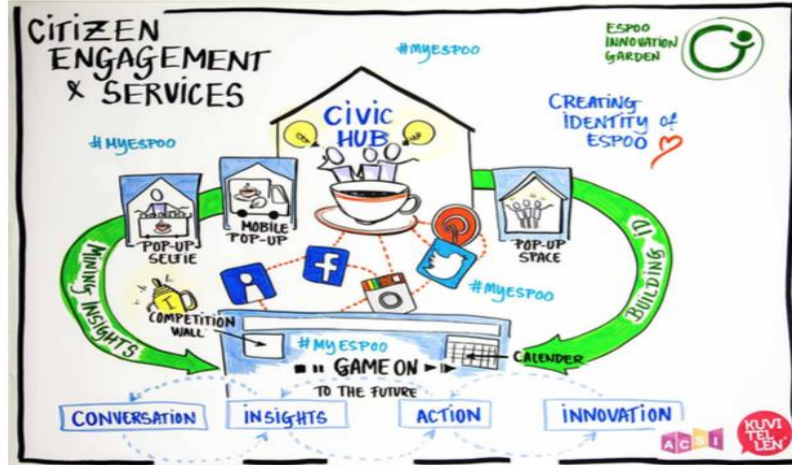
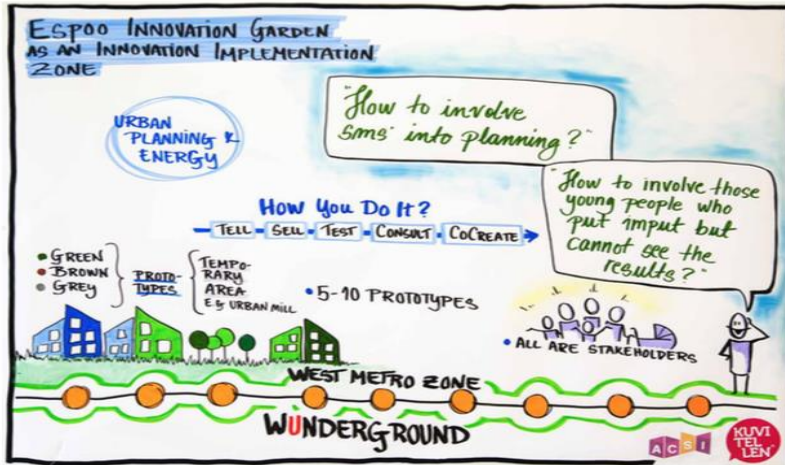


People
make the identity of
place

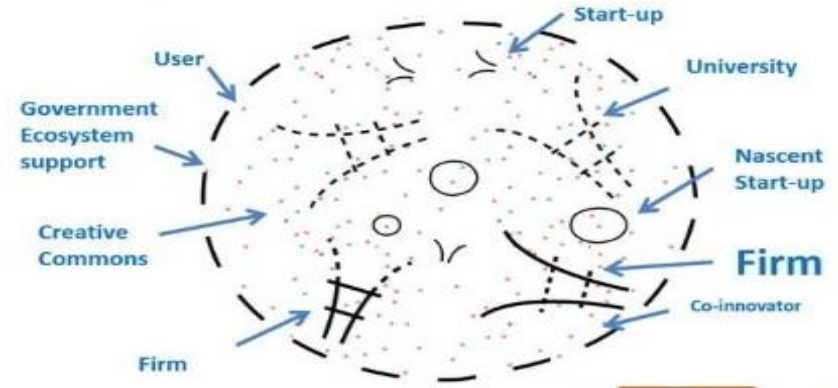
Starting
right NOW is the most
important decision



ACSI =
Aalto
Camp for
Societal
Innovation



FIWARE - Ecosystem and platform: 2 tied concepts



Open Service Platform



- 42 generic software components
- Open specs, open source ref implementation
- IoT, big and open data, cloud computing,...



Sustainable Open Innovation Ecosystem



- 1000 startups and SMEs
- Large industry
- 2500+ developers
- 800+ mentors & coaches
- 50+ cities

System Approach → Regional Innovation Ecosystems & Bench-learning: Focus on Bottom-up: Regional Collaboration for Pioneering Societal Innovation

EU pioneering activities based on bottom-up are the drivers of change.

**Entrepreneurial
Mindset**

**Deeper
Understanding
of Innovation**

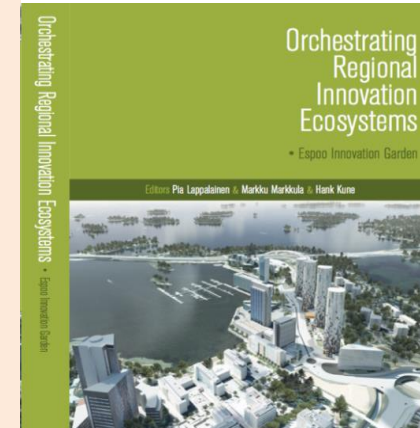
**Real life & Real
Case
Approach**

What do we need for success (this is my story):

What can we learn from **John Kao** (Harvard Business Review article in March 2009 / Tapping the World's Innovation Hot Spots): **“The journey to innovation is a 3-act drama” → Systemic approach:**

1. An innovation ecosystem audit is required → What new capabilities need to be built;
2. The context for innovation ecosystem must be understood: → Co-create processes, more foresight and customer insight, concepts;
3. The work of innovation ecosystem must be carried out by generating significant sources of value → Create tools, talent, resources and modes of collaboration.

More on Orchestrating Regional Innovation Ecosystems – Espoo Innovation Garden, Lappalainen, Markkula, Kune, 2015



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