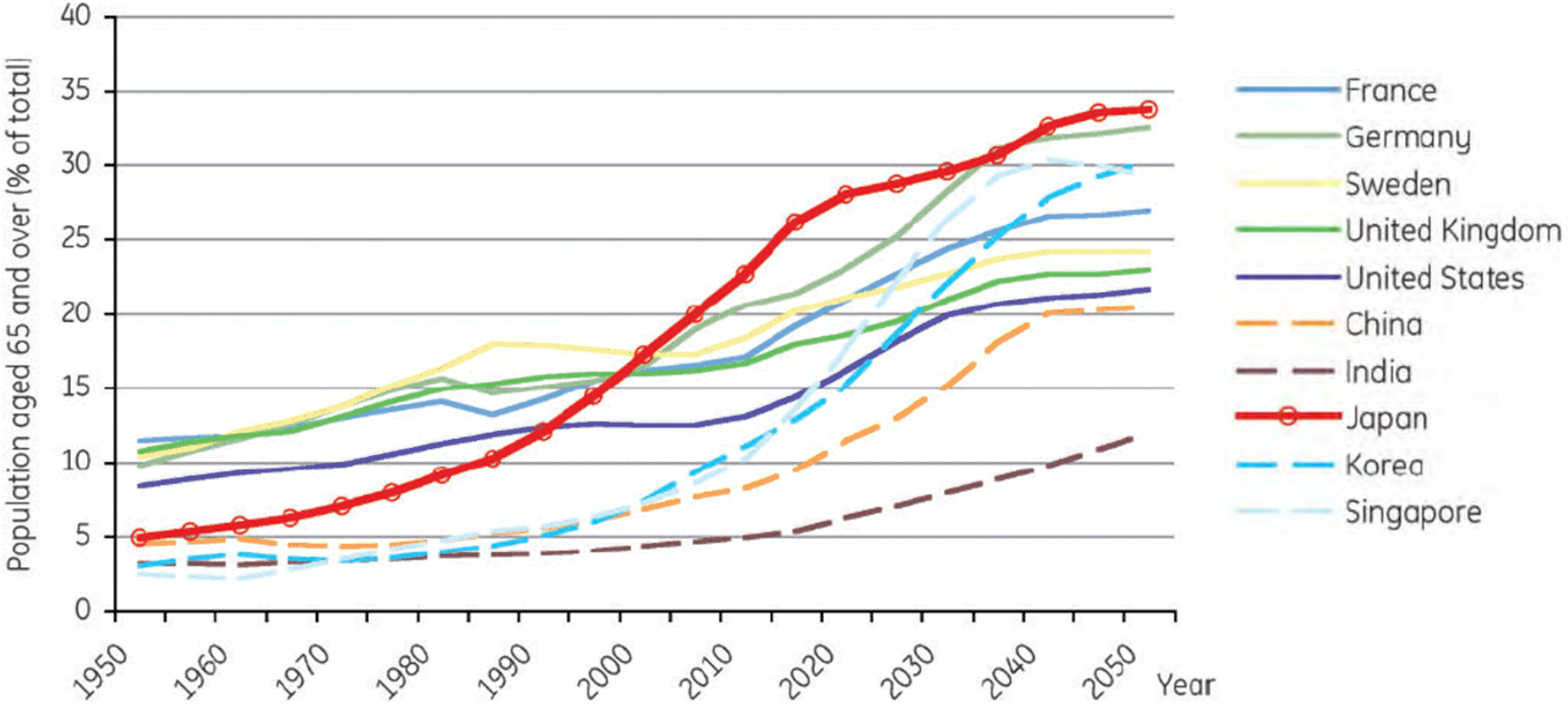
InnoLIFE

Healthy Innovation for tomorrow

The New World of the Old …



Pace of ageing by country (proportion of elderly - 65 & over)

Source: world population prospects, United Nations, 2008

…is a true Grand Challenge

The ‘supply-demand’ misbalance is becoming evident

cost and quality of health care - shortage of ***care workers***
intergenerational ***solidarity*** - absence of ***preventive*** strategies
underdeveloped consumer ***market*** - attractiveness to EU citizen

‘Grand Challenges’ offer opportunities

- If we can add ***quality years*** to our lives, ***society*** will benefit and Europe can ***lead innovation*** in the global health market.

  ⇒ **Innovation is key**

- Diagnosis and therapy ***innovation***, business and care model ***innovation***, through novel ***innovation*** ecosystem.

  ⇒ **Partnership is key**

- Systemic collaboration of ***top players*** to translate knowledge into disruptive ***people-centered*** applications and models

  ⇒ **Where are EU’s Silicon Valleys?**

KIC (Knowledge & Innovation Community) = Integrated excellence-driven innovation ecosystem

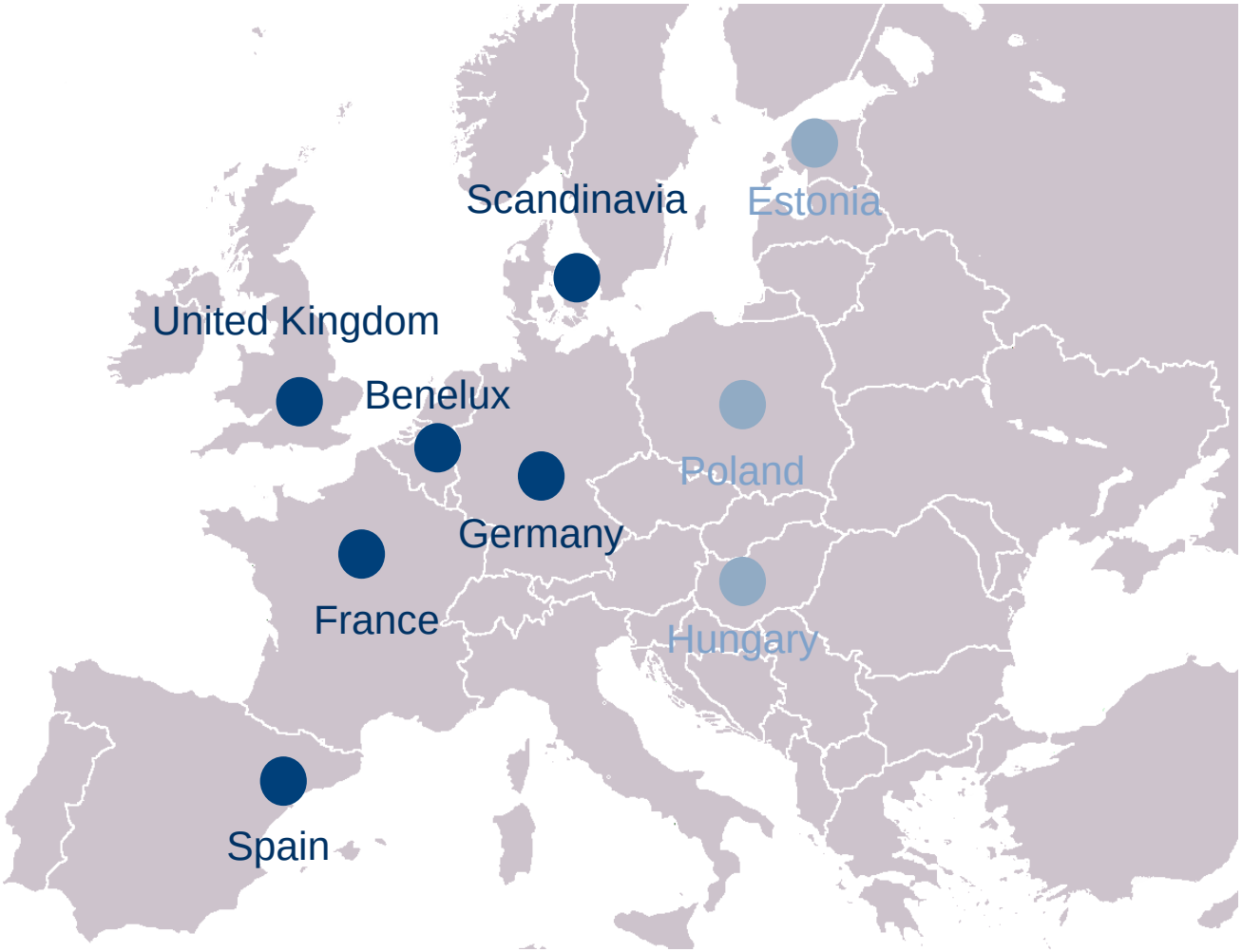
- Cluster of healthcare ***innovation hotspots*** (i.e. 6 co-locations, teams diverse backgrounds, face to face)
- Involve and ***commit complementary*** stakeholders throughout innovation chain: ideas, competence, venture capital, policy, trust
- Capitalize on knowledge by translating it to disruptive ***people-centered applications*** and application models
- Legal entity, run by ***CEO***, capitalized by the EIT (%25) and partners (%75) (~ €120 mio p.a.)

eit European Institute of Innovation & Technology

We are InnoLIFE

KIC Nodes

co-locations featuring leading actors in education, research and business



MEDICAL VALLEY
Europäische Metropolregion Nürnberg

Roche

BIO NRW
Cluster Biotechnologie
Nordrhein-Westfalen

UNIVERSITÄT HEIDELBERG
ZUKUNFT SEIT 1386

profil
ANSWERS FOR DIABETES

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Cluster Management

ETH Zürich

MAX PLANCK INSTITUTE FOR BIOLOGY OF AGEING

RWTH AACHEN UNIVERSITY

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West Midlands Health Consortium

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informatiques mathématiques
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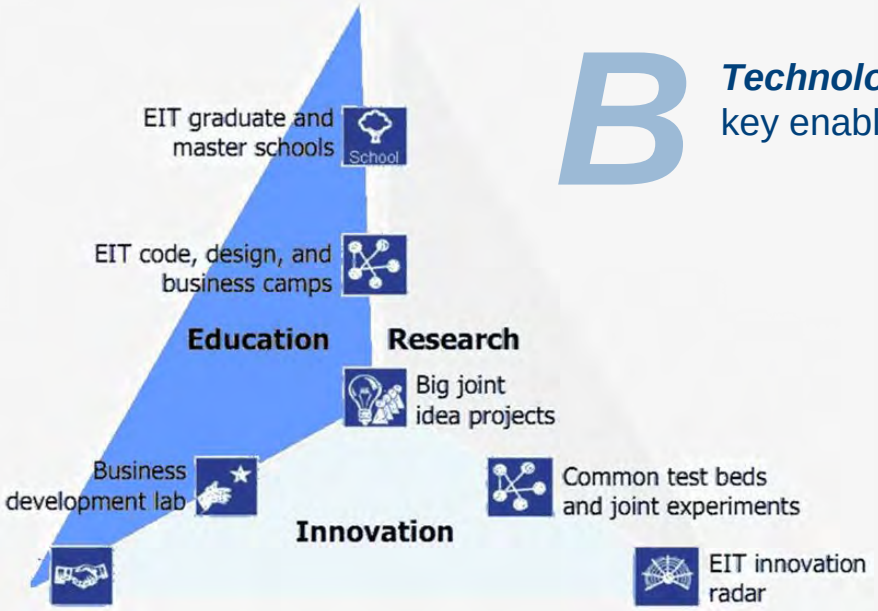
Connecting the 'knowledge triangle'



A

Talent: we need sufficient and qualified hands and brains

B

Technology plays a key enabling role

C

New ***entrepreneurial mindsets and models*** define the way healthcare is offered and organized

D

The availability of and access to R&D&I ***infrastructures*** is essential

E

Regional nodes put technological and societal healthcare innovation into effect

InnoLIFE vision and mission

"Turn the ***challenge of an ageing*** population into an opportunity for Europe, by developing and introducing a new approach to ***health care*** delivery into the European market, creating new ***business*** opportunities, offering the choice for personalized health care to the ***European citizen*** and contributing to ***affordable high quality*** health care provisions in Europe."

"InnoLIFE is committed to ***health and wellbeing for all ages***. We claim a leading role in shaping tomorrow's society, redesigning health care from the end users perspective and boosting economic growth in Europe in response to the ongoing demographic transition. It is our mission to facilitate innovation by capitalizing on cutting edge ***science and technology***, creating new ***business*** and mobilizing ***talent***."

What will InnoLIFE do for Europe?

Public Authorities

- policies are aligned and investments ***leveraged***
- InnoLIFE = ***bridge*** between world class partners & regional actors
- profit from wellness instead of illness
- funnel talent into health care

European Citizen

- add ***healthy life years***
- participation in society (e.g. employability)
- improved ***quality*** of healthcare, and ***affordable*** health care
- new products and services, offered though innovative models
- health literacy tools

Why should your company join InnoLIFE today?

Excellence

- straightforward access to excellent complementary ***knowledge***
- ability to tackle ***more complex*** and more challenging problems
- bring products more efficiently to the global ***market***
- InnoLIFE attracts ***top talent*** and facilitates exchange & entrepreneurship

Scale

- InnoLIFE = major ***driving force*** of health care innovation, a source of information for ***policy*** makers and a guiding frame for ***EU programs***
- InnoLIFE act as a ***bridge*** to regional actors (e.g. SME's)
- shared ***infrastructures*** cut costs & improve (knowledge) exchange
- ***heterogeneity*** of Europe offers opportunity for benchmarking, identifying determinants of success, and experimental approaches (embedded labs)

InnoLIFE Key Themes

1. Independent living and self-management of health

   ⇒ **The European citizen is in charge**

2. Life long high performance health care

   ⇒ **Continuum of care**

3. Analysis and use of information

   ⇒ **BIG data & small data**

4. Work and performance

   ⇒ **Sustainability of health care**

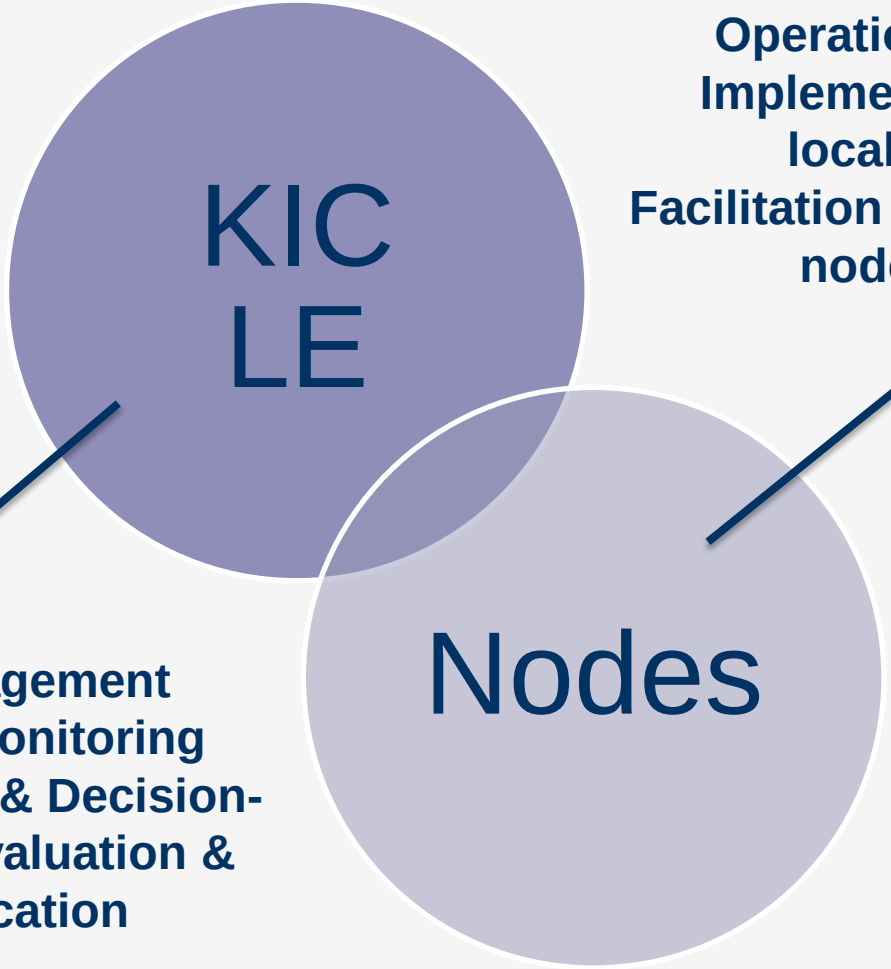
5. High tech medical systems

   ⇒ **Driver of innovation**

6. Chronic disease and conditions

   ⇒ **The Major health care challenge**

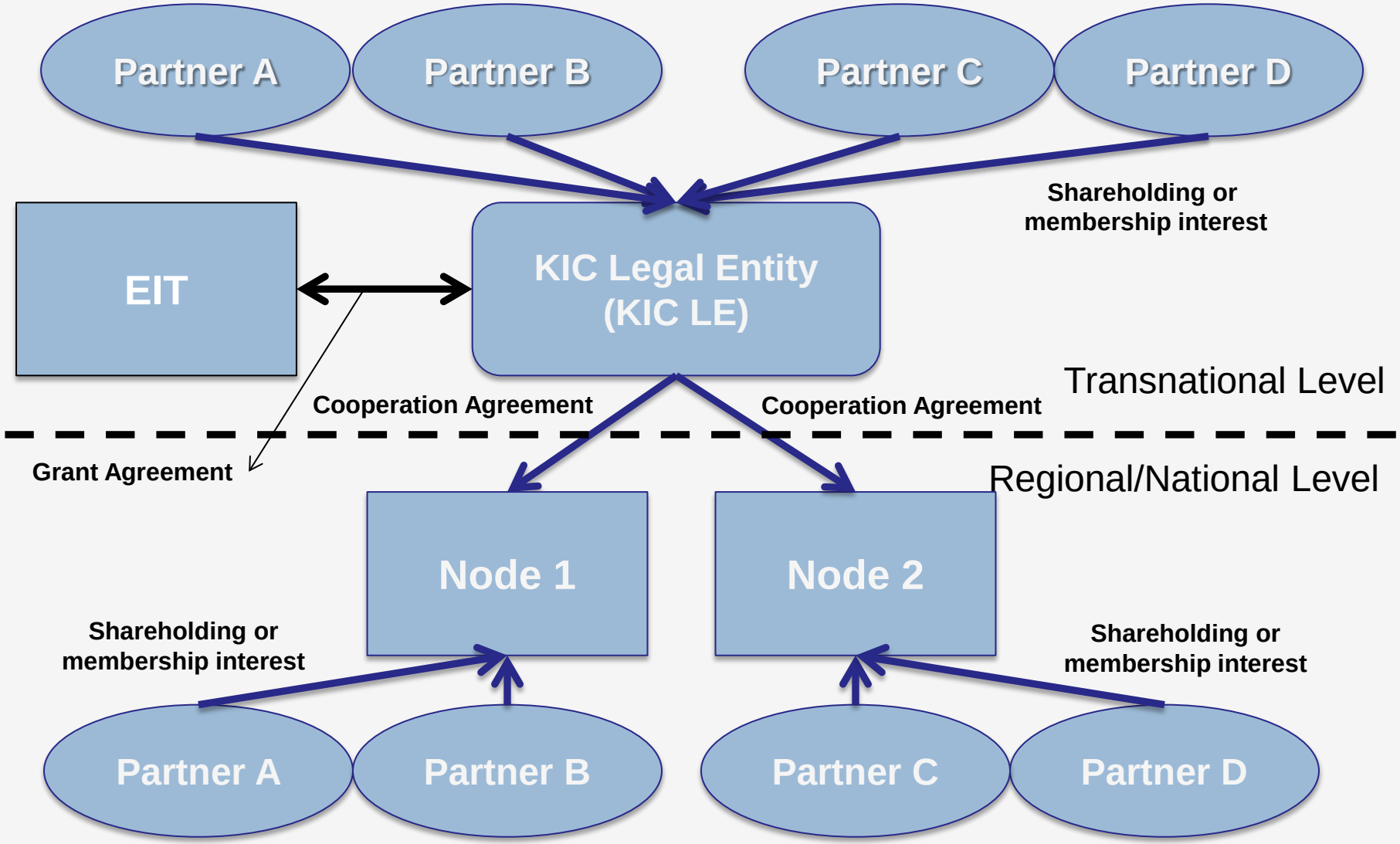
InnoLIFE Governance model



Operational Management
Implementation support at local/regional level
Facilitation and support to cross node cooperation

Financial Management
Supervision & Monitoring
Strategic Planning & Decision-Making Project Evaluation & Funding Allocation

InnoLIFE


Partner A
Partner B
Partner C
Partner D
Shareholding or membership interest
EIT
KIC Legal Entity (KIC LE)
Transnational Level
Cooperation Agreement
Cooperation Agreement
Grant Agreement
Regional/National Level
Node 1
Node 2
Shareholding or membership interest
Shareholding or membership interest
Partner A
Partner B
Partner C
Partner D

Facts & Figures of existing KICs

KPIs 2014-2020 (average per KIC)

- Business: 93 start-ups created
- Research: new products and services launched
- Education: 3,900 students / 1,600 PhDs trained in entrepreneurship

KIC InnoEnergy (Sustainable Energy)

Karlsruhe U, Stuttgart U, FZK, TU Eindhoven, KU Leuven, TU Catalonia, INSA, KTH, Schneider, Grenoble INP, CEA, AREVA , Renault, Eandis, Renault, Vattenfall, ABB,…

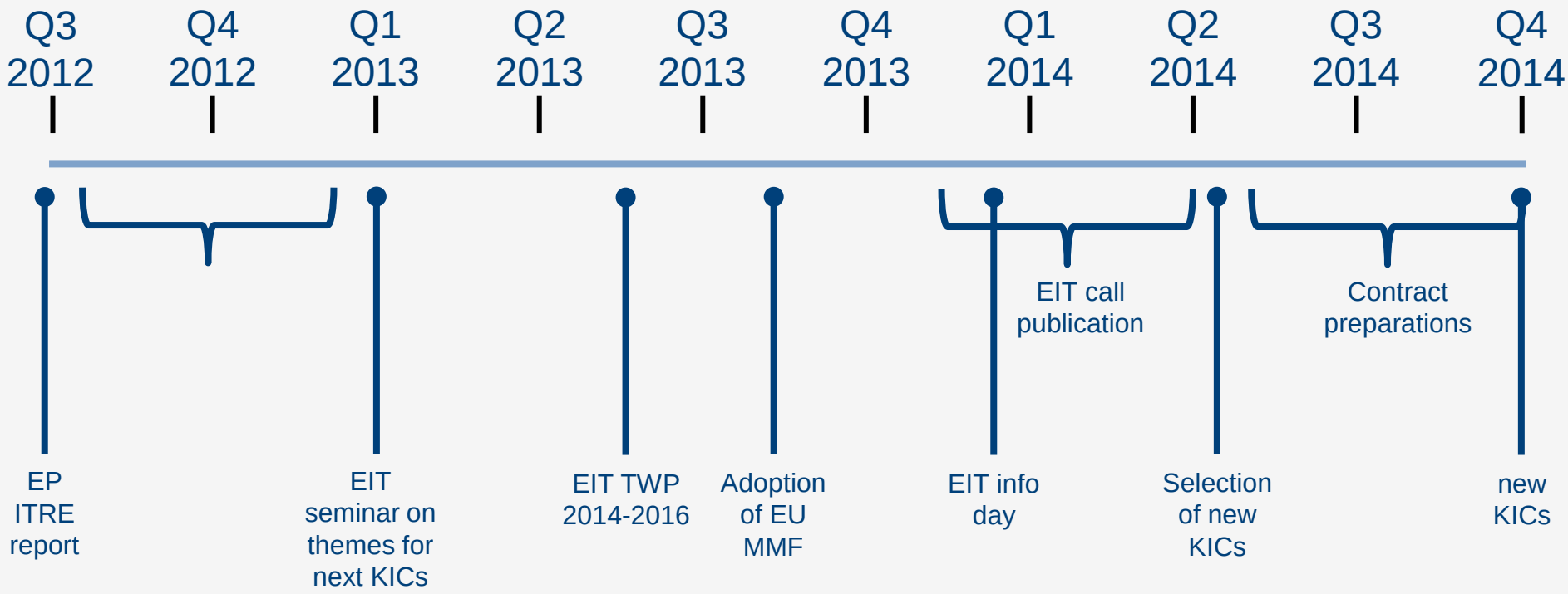
Climate KIC (Climate Change)

Imperial, TU Delft, Utrecht, INRA, ETH Zurich, TU Berlin, GFZ, PIK, Bayer, Schiphol, EDF, DSM,…

EIT ICT Labs (Information and Communication Technologies)

TU Berlin, MP Informatics, Aalto U, INRIA, P&M Curie U, KTH, Deutsche Telekom, Siemens, Philips, Nokia, Alcatel-Lucent, Orange, Ericsson,…

Timeline



Source: EIT Triennial Work Programme 2013-2015

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