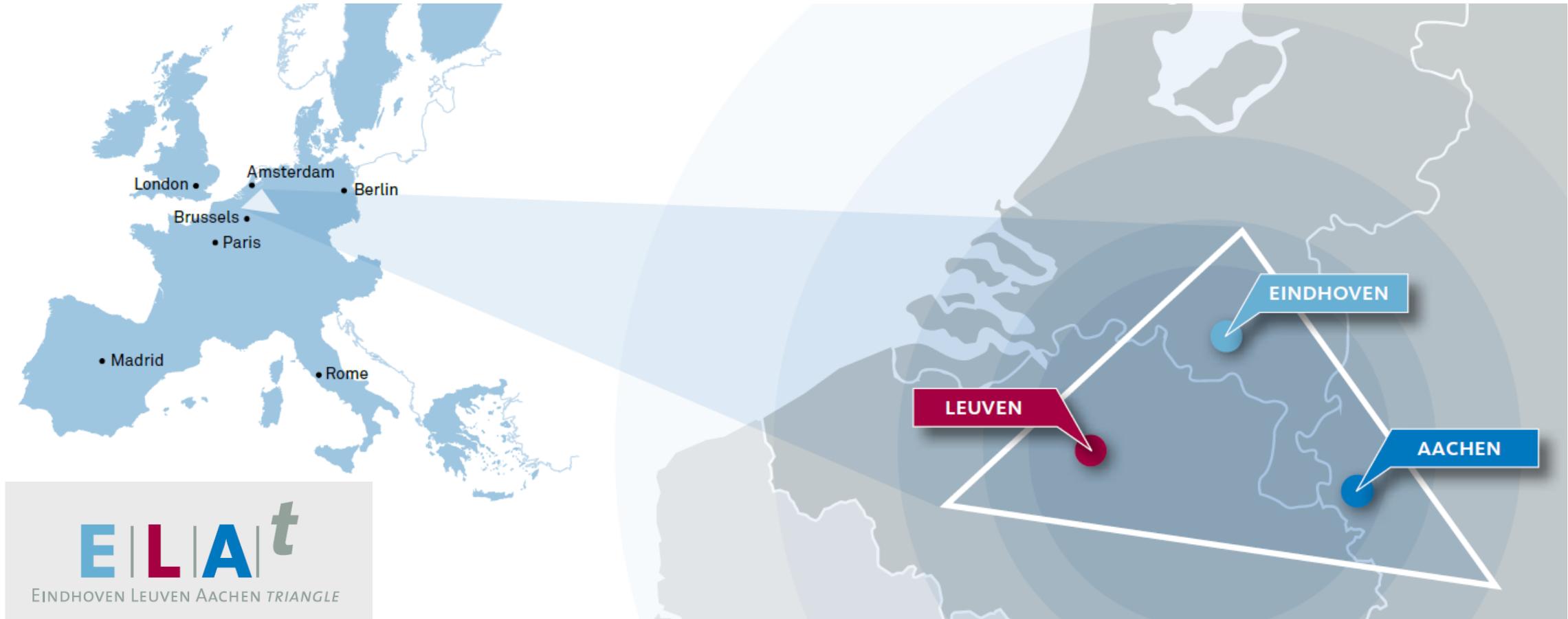

Top Technology Region /
Eindhoven-Leuven-Aachen triangle

Wim De Kinderen
Brainport Eindhoven EU Office
WiRE 2014 / 12 June 2014

TTR-ELAt, a 'technology hotspot' on the European map



TTR-ELAt as a « region »



- 6 regions at intersection of 3 countries
- 19.640 km²; population + 8 million
- GDP : 340.501 mEUR; GDP/capita : 31.163 EUR
- strong in general, subregional differences
 - long term unemployment
 - industrial & high tech manufacturing employment
 - R&D personnel (% of total employment)
 - R&D expenditure as % of GDP (total and business)
 - patenting activity

source : TTR-ELAt (2013) – OECD report

TTR-ELAt as an « innovation driven functional cross-border region » (project reality) (1/2)



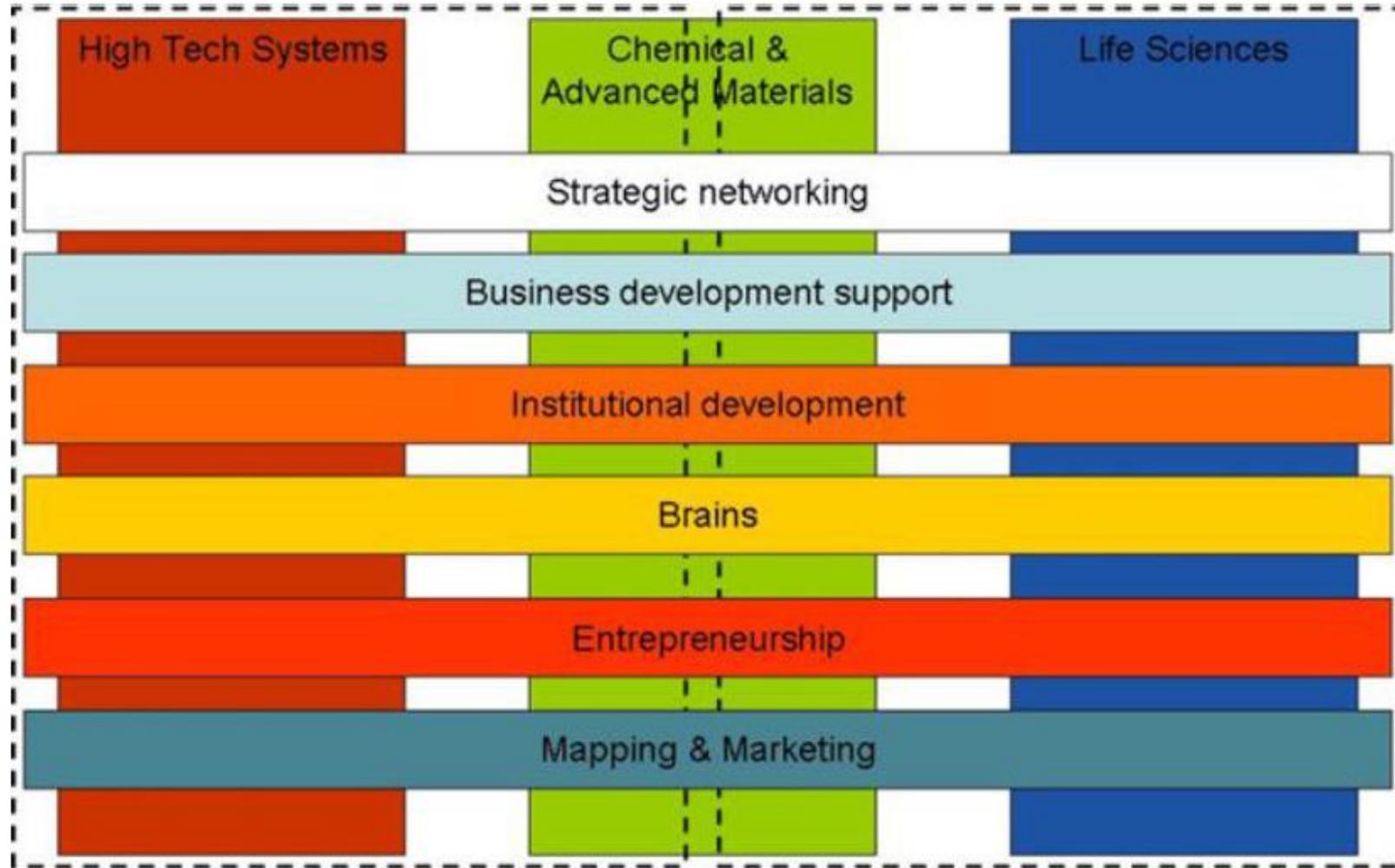
- long history of cooperation
- 2004: start of « ELAt » and « TTR » (2009: « TTR-ELAt »)
 - capture the full innovation potential of its resources
 - focus: building on similarities and complementarities in high tech specialisations
 - mass: secure key position within a global network of innovations regions

TTR-ELAt as an « innovation driven functional cross-border region » (project reality) (2/2)



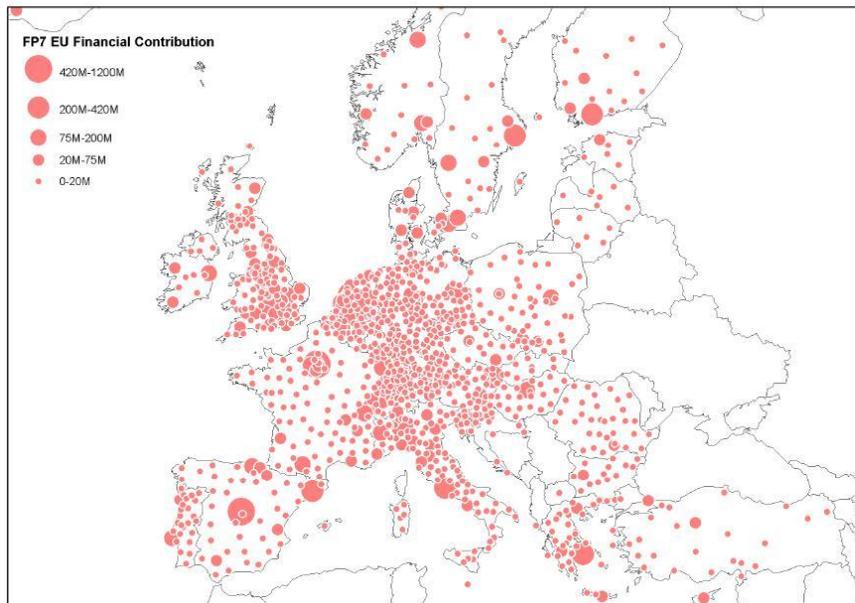
- « innovation driven »
 - strong support by public authorities, but content and market driven (triple helix, but research and business in key role, public authority as facilitator)
 - focus on distinctive knowledge domains and value chains
 - building on strengths and growth potential
 - « functional »
 - no real borders
 - bottom up and ‘variable geometry’
 - bilateral and multilateral actions and initiatives
 - « cross-border »
 - cfr. internal market
 - pragmatism; context of orchestrated chaos
 - common view; ownership and connection
- above average growth of the TTR-ELAt nodes

ELAt Strategy : leading lines – « ready for the next 30 years »



ELAt today : Innovation and R&D – FP7

EU Financial Contribution for the FP7 Participants in Signed Grants
(M euro)



FP7 projects with at least 1 EMR partner

	Leuven	Hasselt	Eindhoven	Maastricht	Aachen	Liege	Total	
Leuven	741	5	66	15	38	10		
Hasselt	5	29	1	1	1	0		
Eindhoven	66	1	343	8	29	1		
Maastricht	15	1	8	160	3	5		
Aachen	38	1	29	3	302	1		
Liege	10	0	1	5	1	120	1695	
	134	8	105	32	72	17	368	21,71%
	18,08%	27,59%	30,61%	20,00%	23,84%	14,17%		

Common Research Data warehouse
Data Source: E-CORDA, CORDA-GIS
Map: CORDA-GIS, EUROSTAT, GISCO
Reference Date: 2011/06/15

ELAt today : Innovation and R&D – ETC ?

- TTR-ELAt : touched by several Smart Specialisation Strategies of larger areas (and limited funds)
- TTR-ELAt : touched by many Interreg programmes (3*A, B NWE, Europe)

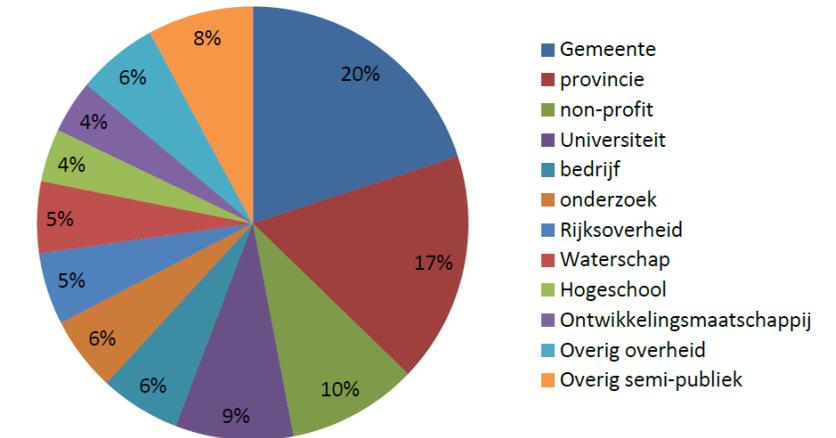
Euregio Meuse-Rhine



Belgium (Flanders)/Netherlands



Netherlands/Germany



Research and business in ETC programmes. Inspiration from a few ELAt examples

- research as an actor
 - Network of Incubators (« Incubatorennetwerk(t) »)
 - economic valorisation of research results
 - creation and coaching of spin offs; instruments and methodologies; interregional and inter-university technology exchange
 - 1 innovation agency (Innotek) + 4 universities and their TTOs (Antwerp, Hasselt, Leuven and Eindhoven)
 - Interreg A Flanders-Netherlands
 - www.grensregio.eu/2011/11/22/incubatorennetwerk/
 - + : proximity enhances chance to continuity



Research and business in ETC programmes. Inspiration from a few ELAt examples

- research as an actor
 - Solar Flare
 - support initiatives to develop thin film solar energy with higher efficiency and lower cost
 - cooperation of companies and knowledge institutes to use and exploit complementary knowledge
 - regional roadmap, cluster development, Cost of Ownership calculation of CIGS solar cell technology and demonstration
 - Imec, TNO, ECN, Universities of Hasselt and Eindhoven (partners in Solliance)
 - Interreg A Flanders-Netherlands
 - www.grensregio.eu/2012/08/03/solar-flare/
 - + : builds on existing expertise and network; interesting to combine with other funding

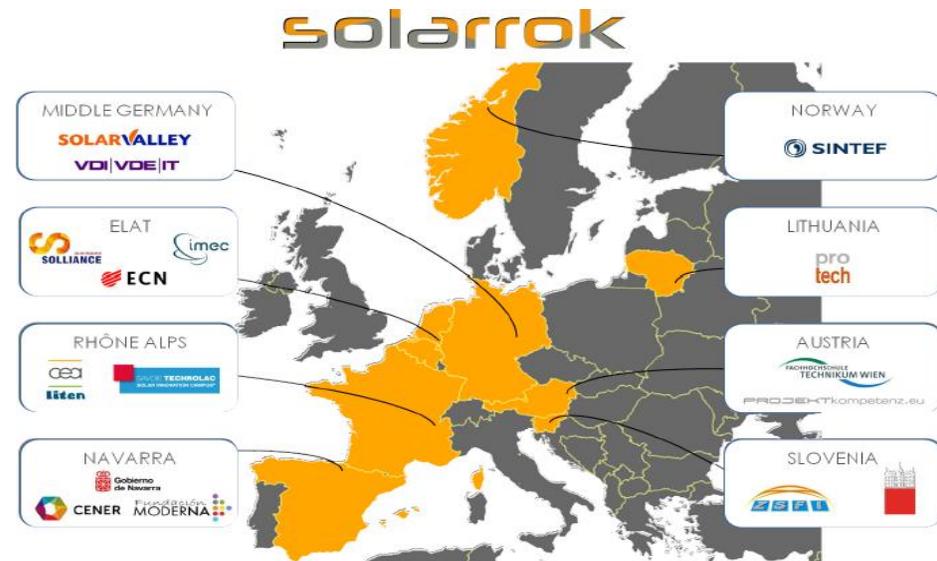


Scale, example Solliance

Bringing together all the thin film PV R&D in the Netherlands, Belgium and part of Germany
Create critical mass in order to stay significant in the global market,
building on assets of being a strong materials and equipment supplier

Be a world player in thin-film PV R&D in the areas of fabrication technology *and materials* by maximizing the synergy between the industry, the institutes and the universities in the ELAT region, covering the whole value chain.

www.solliance.eu



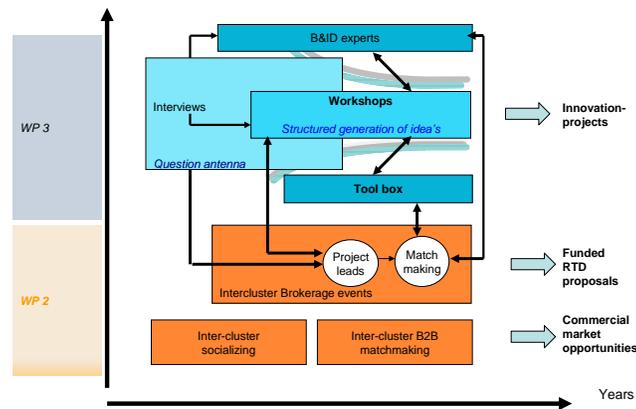
Research and business in ETC programmes. Inspiration from a few ELAt examples

- providing a structure for businesses and knowledge institutes to operate in
 - EURIS – European Collaborative and Regional Open Innovation Strategies
 - assessing ‘open innovation’ from regional perspective
 - mini-programma with 6 sub-projects, one of which
 - BMOI – Business Models for Open Innovation
 - Universities of Eindhoven, Navarra and Stuttgart
 - 5 public authorities and RDAs (Navarra, Eindhoven, Stuttgart, Lodz, West Transdanubia)
 - Interreg IV C
 - www.euris-programme.eu/
 - + : network, focus on core activities of university



Research and business in ETC programmes. Inspiration from a few ELAt examples

- providing a structure for businesses and knowledge institutes to operate in
 - TTC / GCS
 - Top Technology Clusters / Cross Border Cluster Stimulation
 - cross border innovation oriented business co-operation / network and business development activities (Energy, ICT, Life Sciences, Chemistry/New Materials)



- 19 partners (PAs, RDAs, universities, clusters) / 7 partners (RDAs, innovation agencies)
- Interreg A EMR; www.ttc-innovation.eu/en.html ; www.gcs-innovation.eu
- + : cross border network

Research and business in ETC programmes. A recommendation / question

- research and business in ETC
- less traditional R&D and innovation actors in H2002
- ‘synergies’ discussion : H2020 → ESIF, but what about ESIF → H2020 (et al) ?





Thank you.

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