

Zuyd University of Applied Sciences



São Paulo, 21-11-2012

Gino van Strijdonck

Associate Lector and Group Leader Innovative Materials & Sustainable Synthesis



Zuyd University of Applied Sciences



Heerlen - Maastricht – Sittard

- 15,000 students
- 1,750 staff members

Situated close to:

- Maastricht University
- Chemelot
- Greenport Venlo

Centre for Innovative Health Care & Technology



Spearheads

New Energy, Built Environment and Renewables



Technology & Health Care

Domotica

Biomonitoring

Sustainable Urban Development

District of Tomorrow

Chemistry : Life & Material Sciences



Chemelot Innovation &
Learning Labs

**ZU
YD**

UV absorbing nano particles:

From development of knowledge to applications

Functional Coatings



Energy



Health Care



Chemelot Innovation and Learning Labs



NEW CONNECTIONS • NEW SOLUTIONS

Primary Partners:



**ZU
YD**



**ZU
YD**

Chemelot Innovation and Learning Labs



NEW CONNECTIONS • NEW SOLUTIONS

- One of the largest chematerial communities in Europe (> 800 ha)
- Industrial Park + Campus
- Number of companies on site > 100; 70 new companies since 2005
- Many of them are global leaders in their product market combination

Industrial Park

Sharing infrastructure and costs



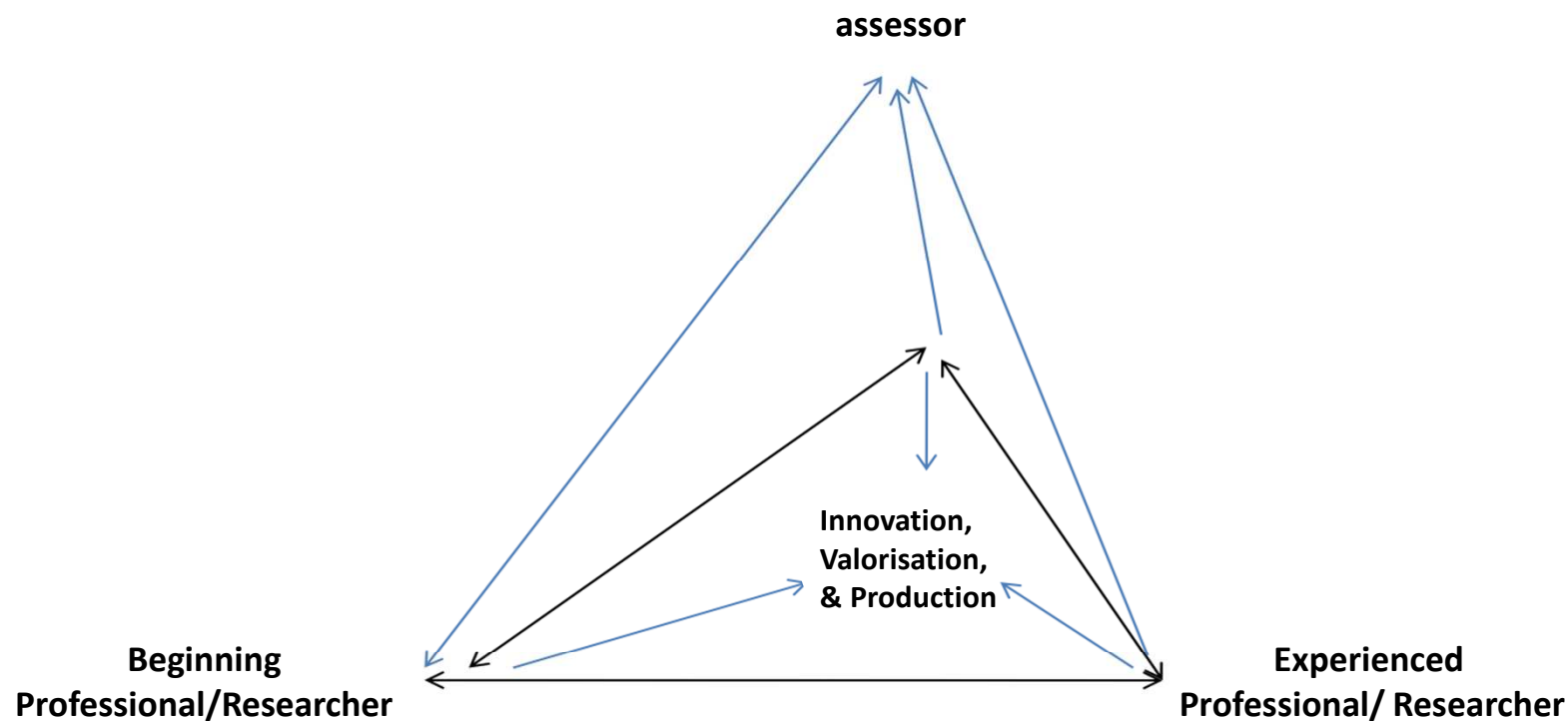
Campus

Sharing knowledge and global networks





Alternative Learning 3-point Model: Revolutionizing the Zuydlab Concept





THEMES:

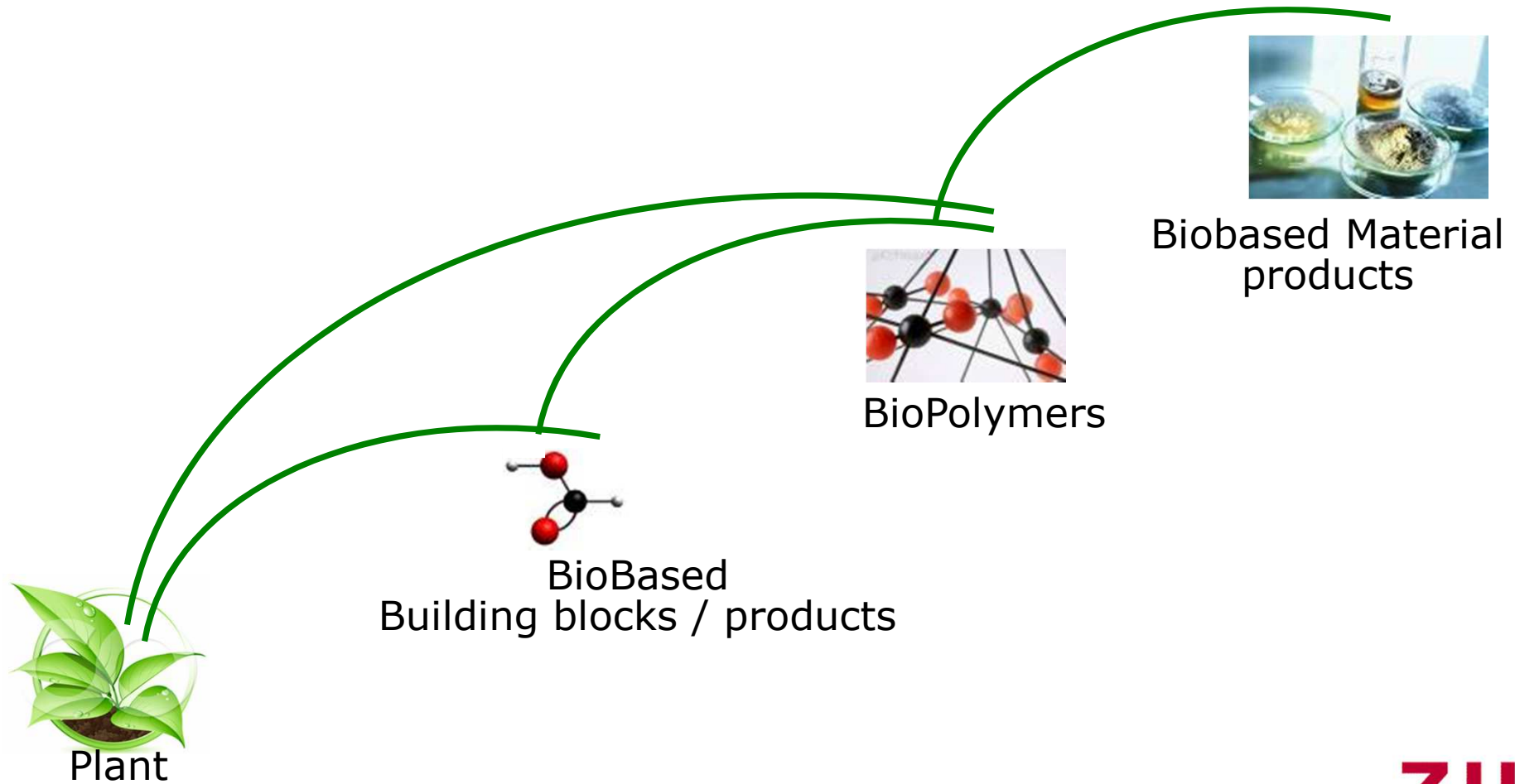
- **Molecular Biology and Diagnostics**
- **Smart Materials**
- **Green Chemistry**

TOOLS:

- **Nanotechnology**
- **Microreactor Technology**
- **Molecular Biology Recombinant Techniques/ Biotechnology**

FUTURE DEVELOPMENT:

- **Biobased Materials**





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YD**