

Welcome at the  
Centre for Learning Sciences and Technologies  
(CELSTEC)

Wim Westera, Open University of the Netherlands

Centre for Learning Sciences and Technologies  
[celstec.org](http://celstec.org)



# Otec → CELSTEC

## Centre of Learning Sciences and Technologies

- Learning and Cognition
- Learning Networks
- Learning Media
  
- Lifelong learning services
- Masters programme Learning Sciences
- PhD Programme

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# Learning & Cognition Programme

- Cognitive principles of:
  - Learning tasks
  - Learning environments
  - Learning assessments
- Director Fred Paas



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# Learning Networks Programme

- Informal and distributed learning
  - Professional development
  - Learning network services
  - Professional communities
- Director Peter Sloep

The logo features a stylized red mouse cursor arrow pointing upwards, with a thin grey line trailing behind it from the left and bottom. The text 'CELSTEC' and 'celstec.org' is positioned to the left of the cursor.

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# Learning Media Programme

- Exploration of new media technologies for education
  - Immersion media
  - Social media
  - Mobile media
- Director Wim Westera
- Celstec Laboratory



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# 1. Immersion media

- Virtual laboratories/virtual practicals
- Real world complexity
- Computational dynamics/ simulations
- Serious games
- Virtual worlds

*How can we optimise the conditions for learning by incorporating rich, immersion media that simulate real world practices?*

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## 2. Social media

- User-generated content
- Data mashups, content aggregation
- Tool aggregation
- Socio-cultural codes
- Media literacy
- Collaborate work

*How can we optimise the conditions for learning by incorporating social media and rich media services for the exploitation of the collective expertise and creativity of learners?*

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## 3. Mobile media

- Cross media authoring and delivery
- Ubiquitous access
- Location-based learning
- Contextualised, personalised learning
- Mixed & augmented reality learning

*How can we optimise the conditions for learning by incorporating ubiquitous, adaptive and contextualised mobile media?*

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## Widened scope of the MediaLab

1. Media technologies for experimentation
2. Shared facilities for Otec/Celstec programmes
3. Open collaboration with external parties
4. Hot desking arrangements
5. A stage in the innovation cycle: joint experimentation, dissemination, valorisation

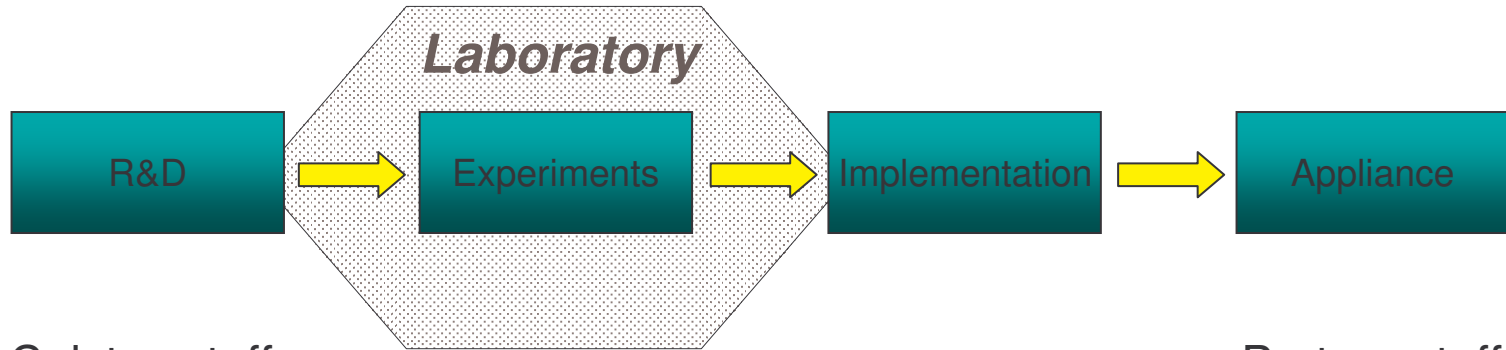


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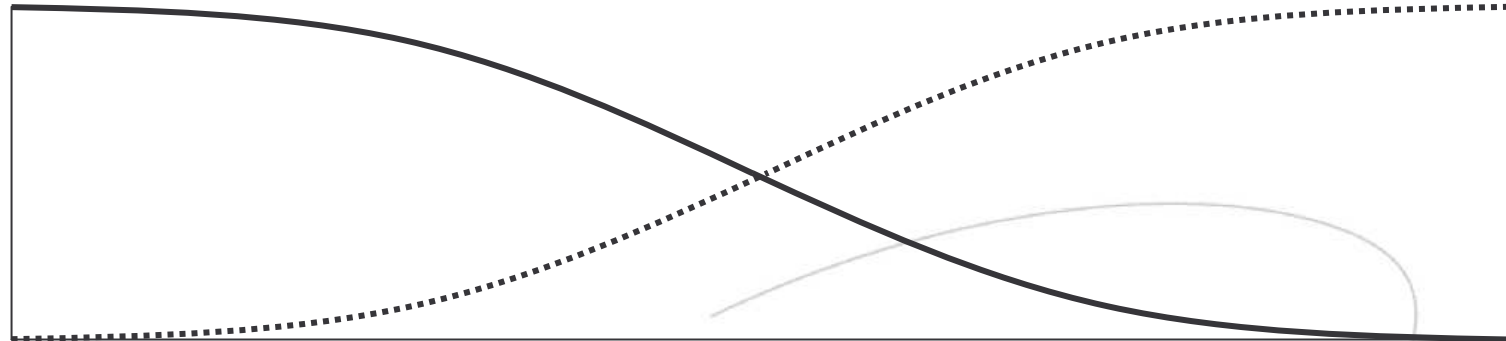
Directed by Celstec

Directed by partners



Celstec staff

Partner staff



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# Lab experimentation

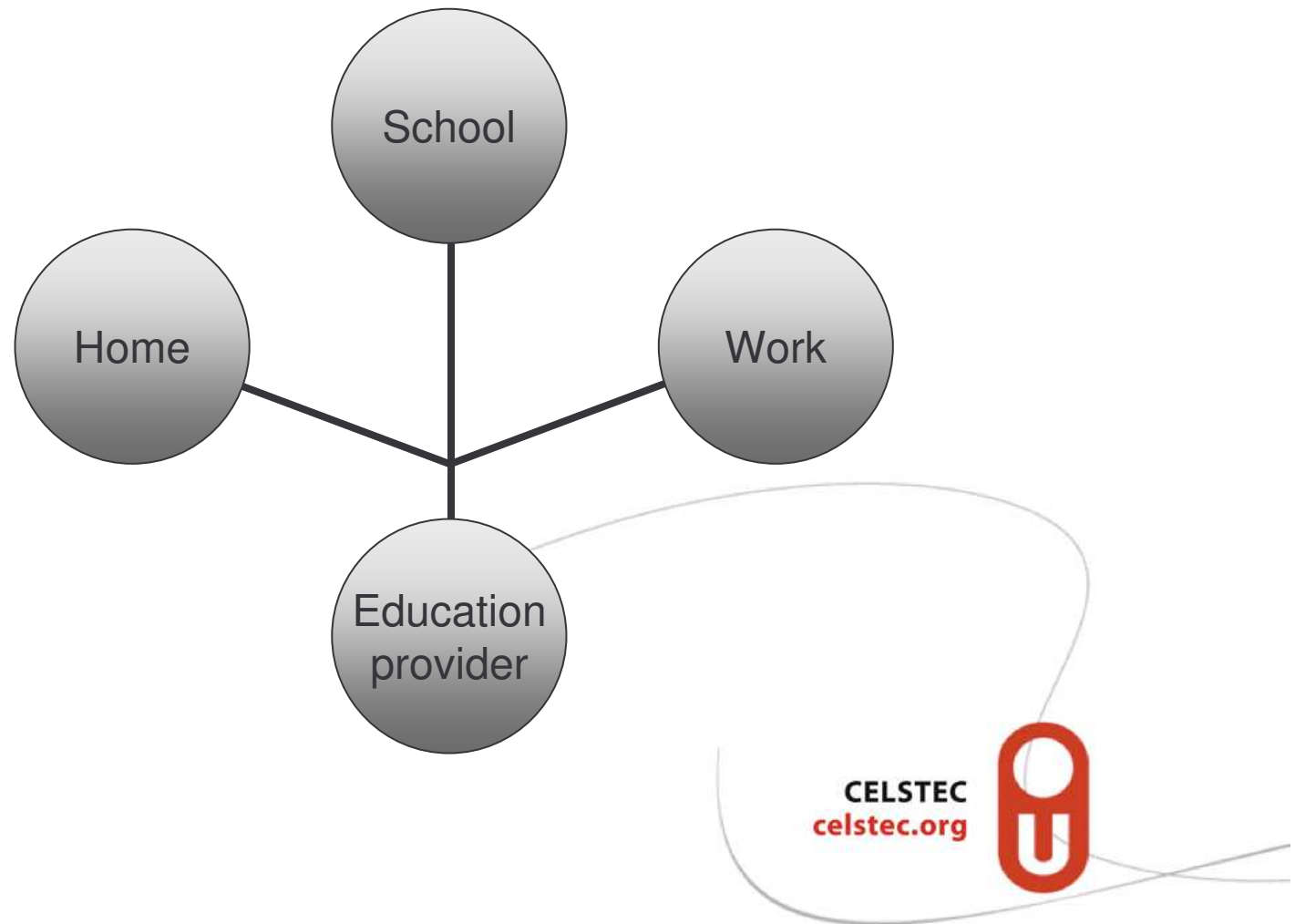
- Grounded in Celstec R&D activities
- Attuned to specific problem case
- Contextualised testing
- Showcase



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## MediaLab concept: user contexts



# Laboratory floor plan

