

Software Research at



Amsterdam Economic Board
Breakfast Meeting
August 28th, 2014

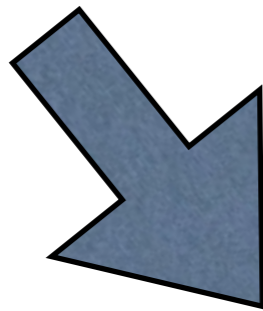
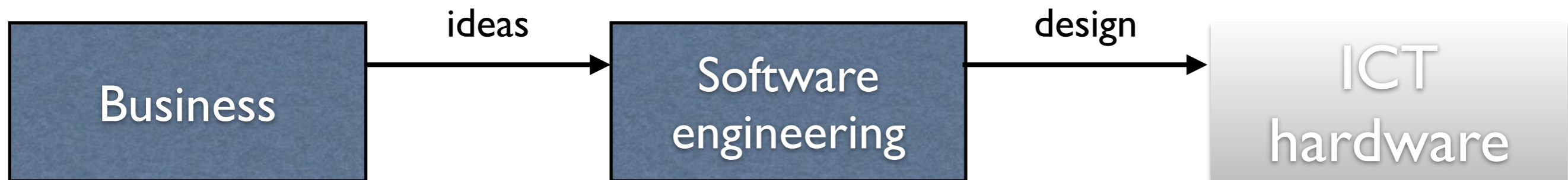
Jurgen J. Vinju
research group leader

CWI spin-off



Software Improvement Group

Software = innovation engine



Software enables innovation in:

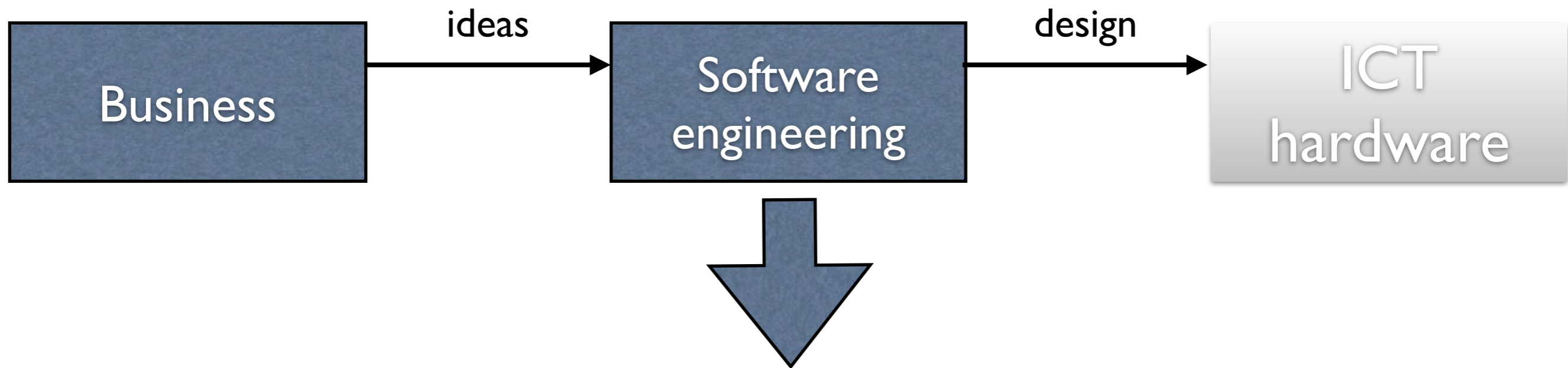
Finance

Government

High-tech

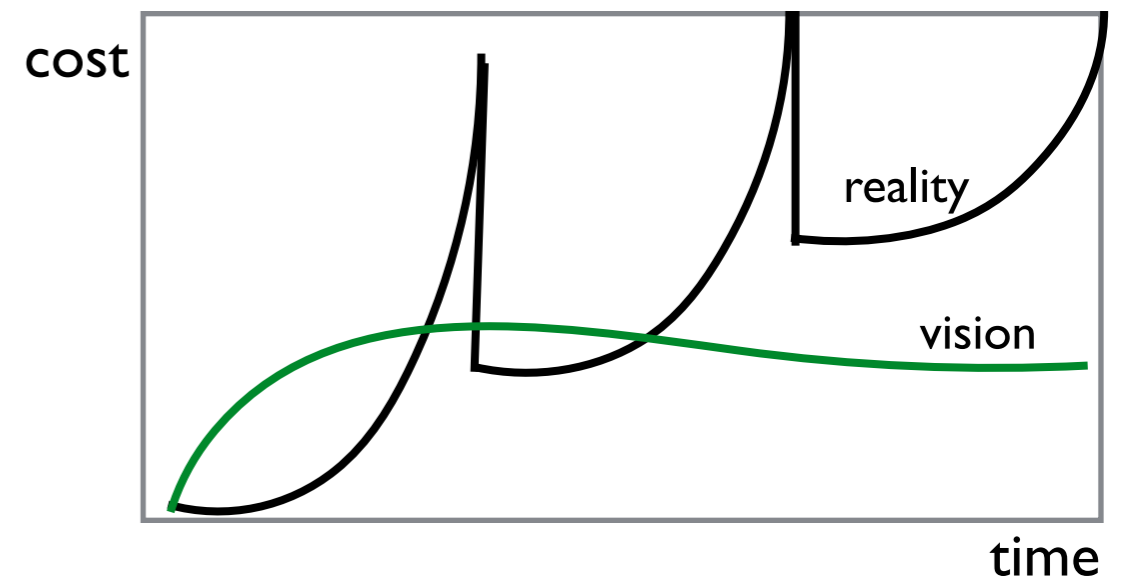
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Software = risk & cost

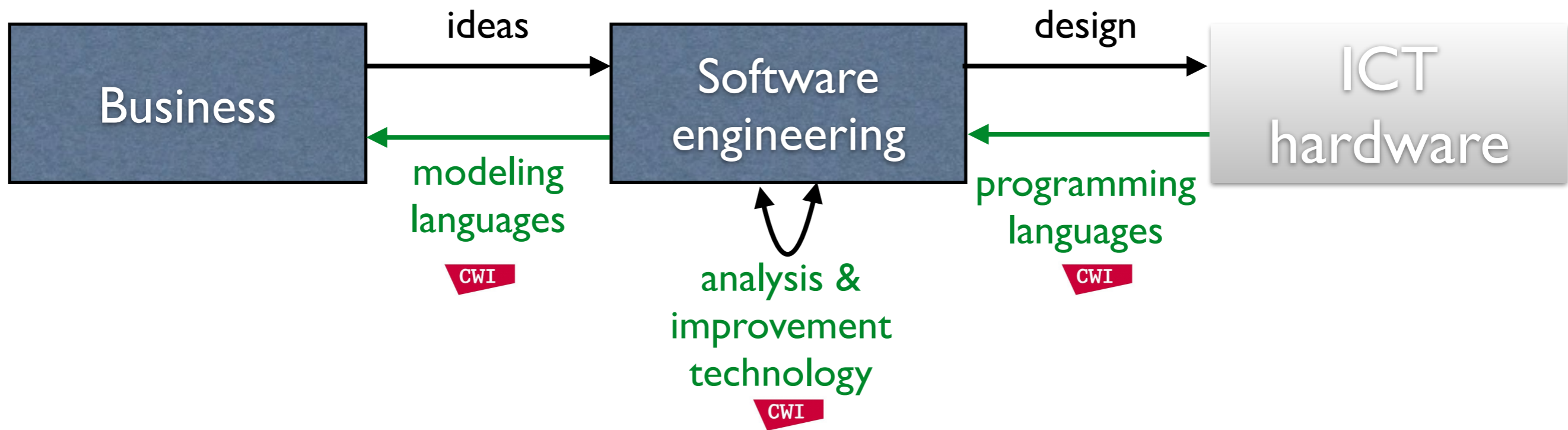


Software is too complex

Legacy technology
Changing circumstances (law)
New opportunities
Complex IT landscapes



Software = CWI research



Managing software complexity, past/present/future:

- understand and manipulate legacy software
- assess and improve quality of modern software
- model, simulate and generate future software

Collaborations:

ING

NFI

ABN-AMRO

Philips

AimValley

Belastingdienst

PWC

FredHopper

and many more

Deliverables:

proof-of-concept prototypes

open-source frameworks

domain specific languages

analysis technology

migration technology

assessment technology

Software engineering research:

direct transfer of results to industry

direct transfer of open questions to research