## Roadmapping For Strategy Exploration

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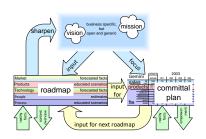
#### **Abstract**

In this presentation, we show the process of constructing a roadmap. The Dutch energy system is taken as an example.

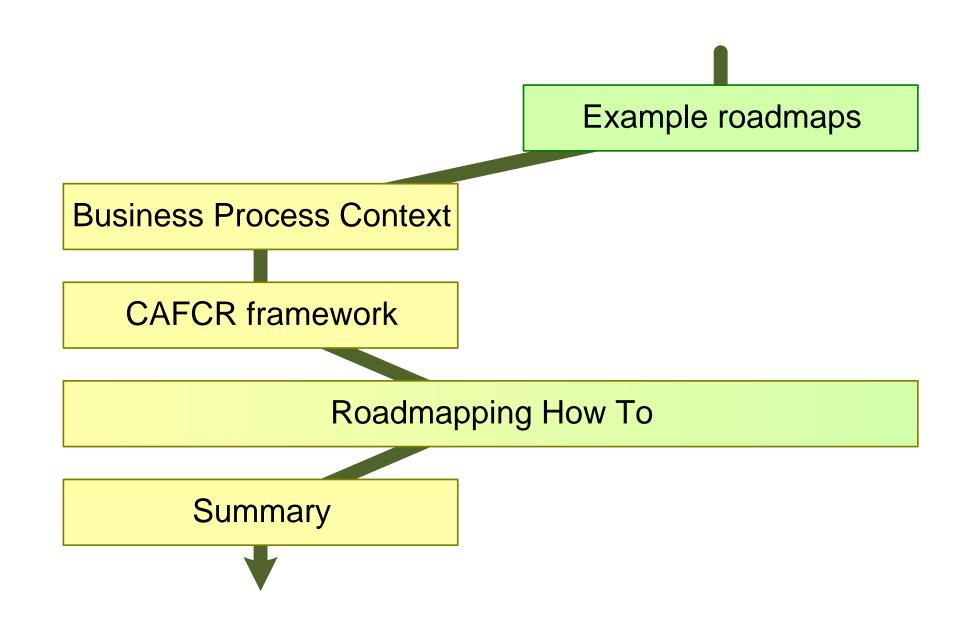
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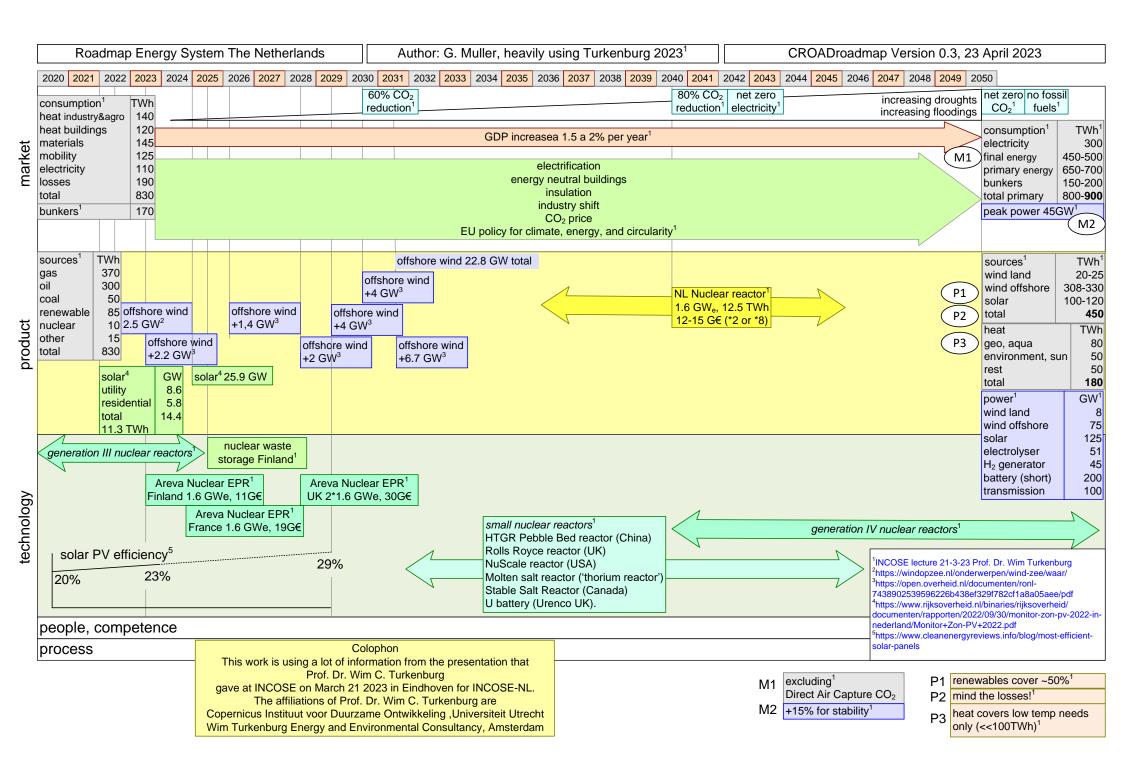
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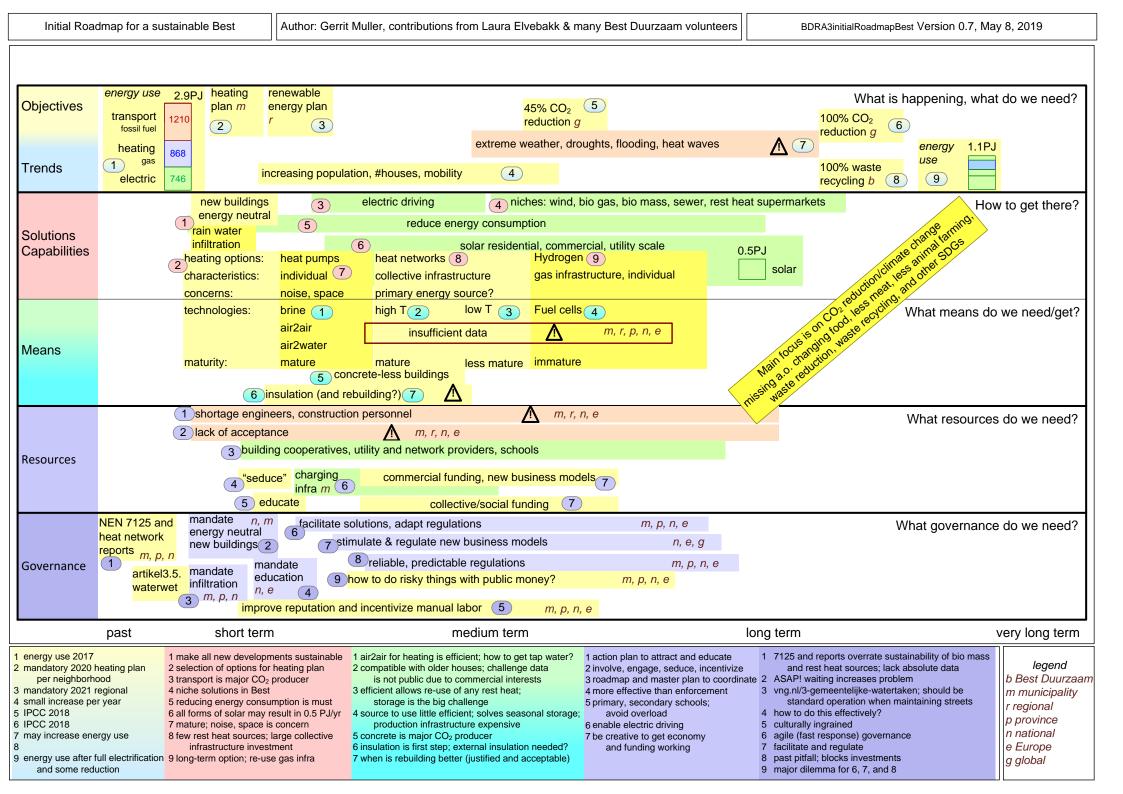


#### Figure of Content

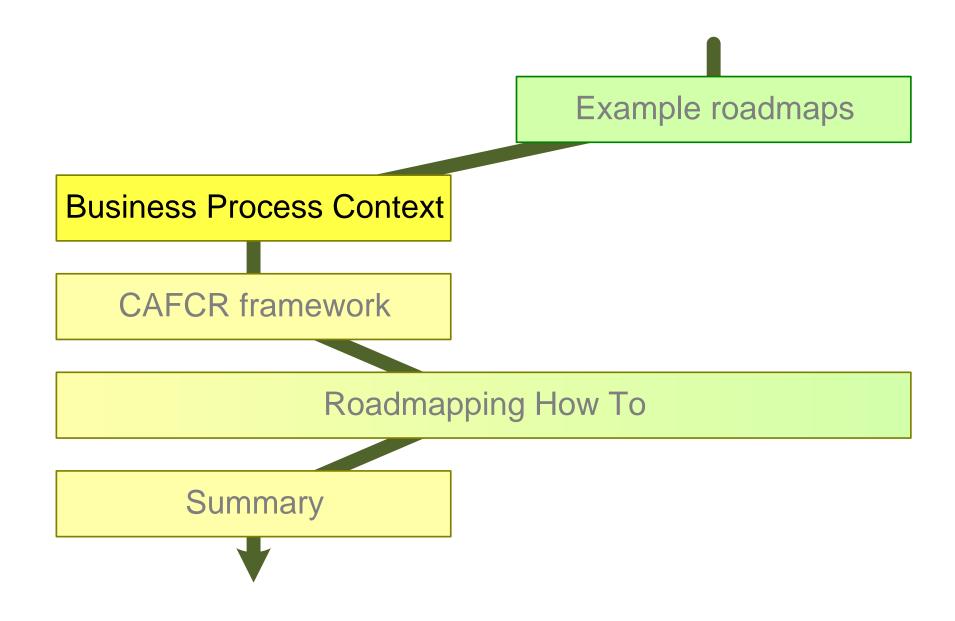






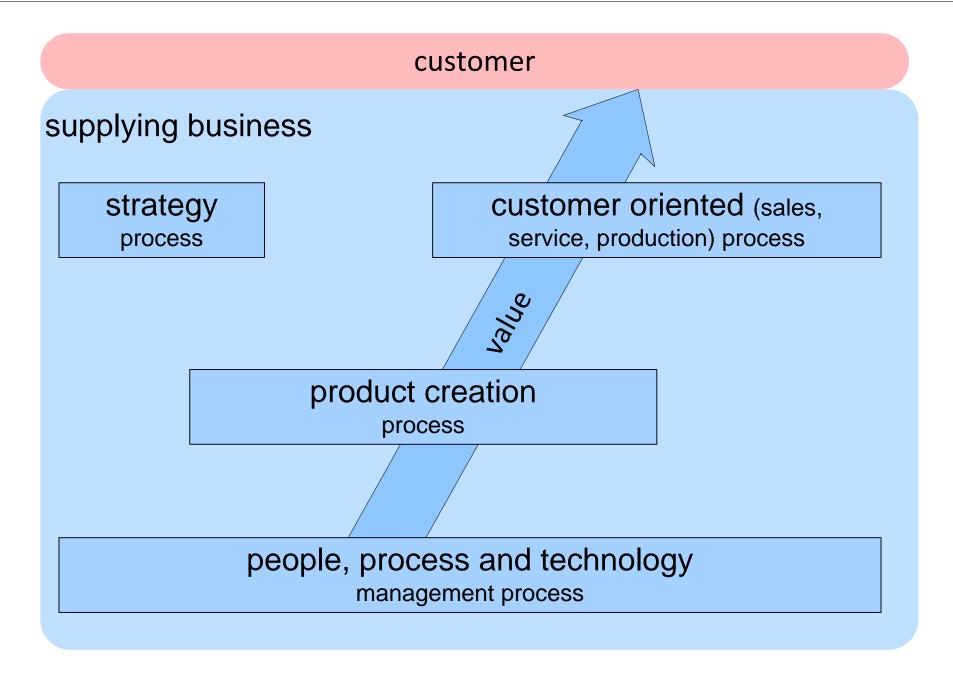


#### **Business Process Context**



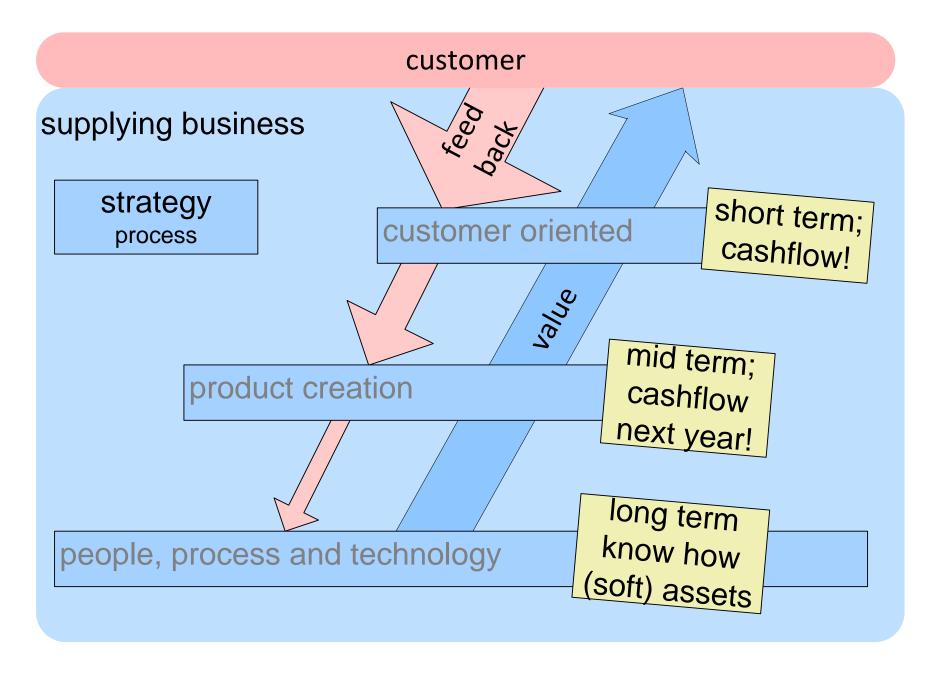


#### Simplified process view



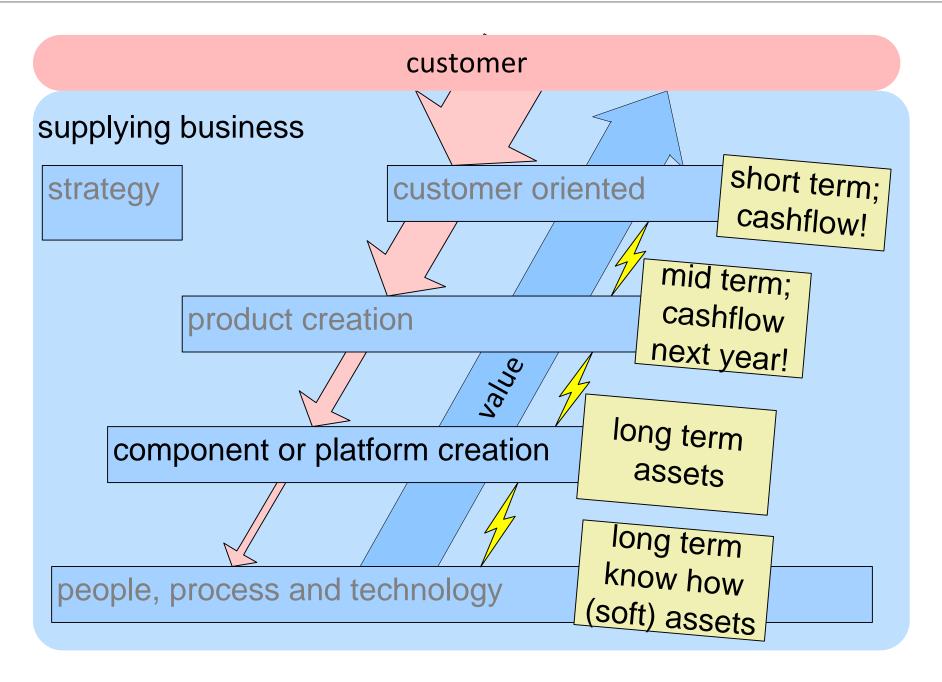


#### Tension between processes



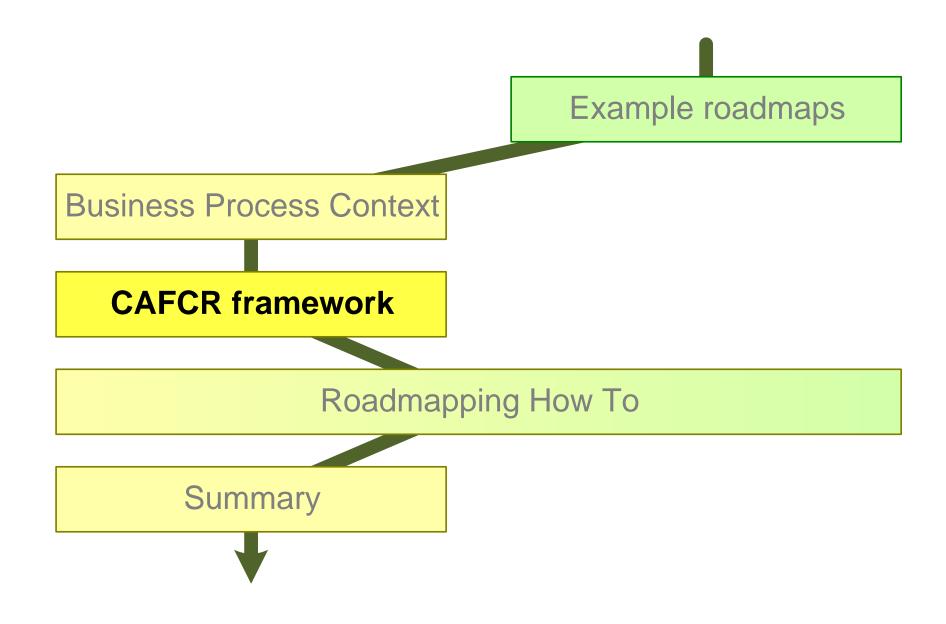


#### Platform strategy adds one layer



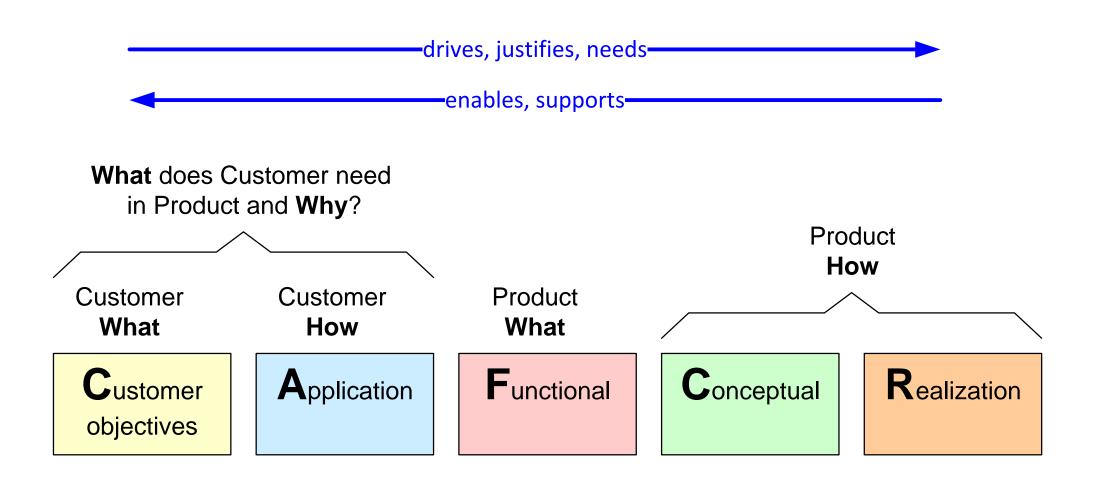


#### **CAFCR Framework**





### **CAFCR Framework for Architecting**



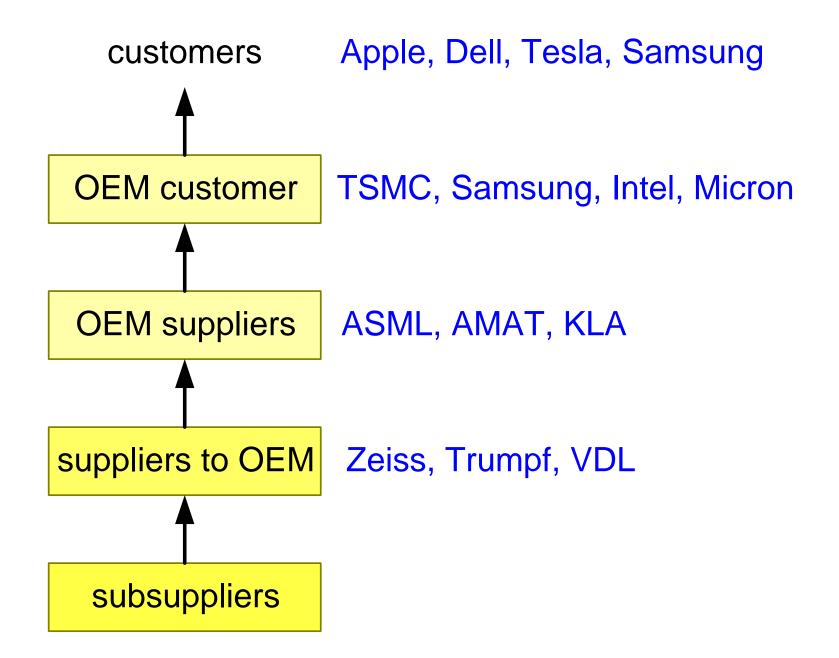


#### Integrating CAFCR

What does Customer need in Product and Why? **Product** How Customer Customer **Product** What How What unctional Realization Customer **A**pplication Conceptual objectives objective context intention driven understanding opporconstraint/knowledge/ tunities based awareness

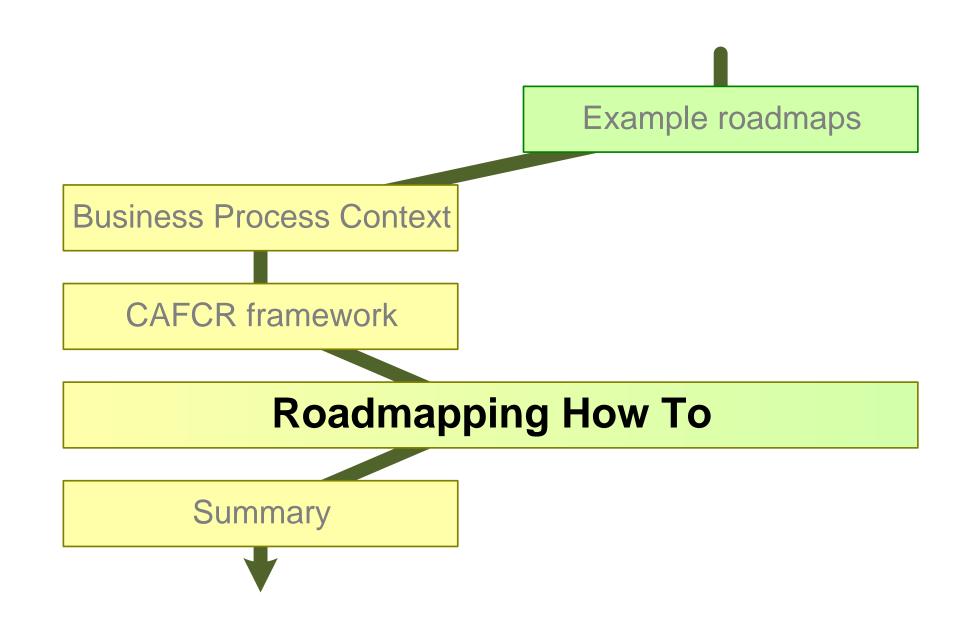


#### Use CAFCR Recursively





#### Roadmapping How To





#### From Ideas to Communicatable Roadmaps

Share domain understanding market, applications, stakeholders

Formulate initial strategy

mission, vision

Gather data and synthesize roadmap

A3 data and roadmap

version: 0

Package roadmap for target groups

(over) simplify



#### **Build Shared Domain Understanding**

Use a few half to full day workshops to explore the domain and map it.

#### Potential tools:

- Systems Oriented Design https://systemsorienteddesign.net/, using
  - Gigamapping

https://systemsorienteddesign.net/how-to-gigamap/ and

ZIP analysis (Zoom-Innovation-Potential)

https://systemsorienteddesign.net/zip-analysis/

CAFCR analysis https://gaudisite.nl/ArchitecturalReasoningBook.pdf



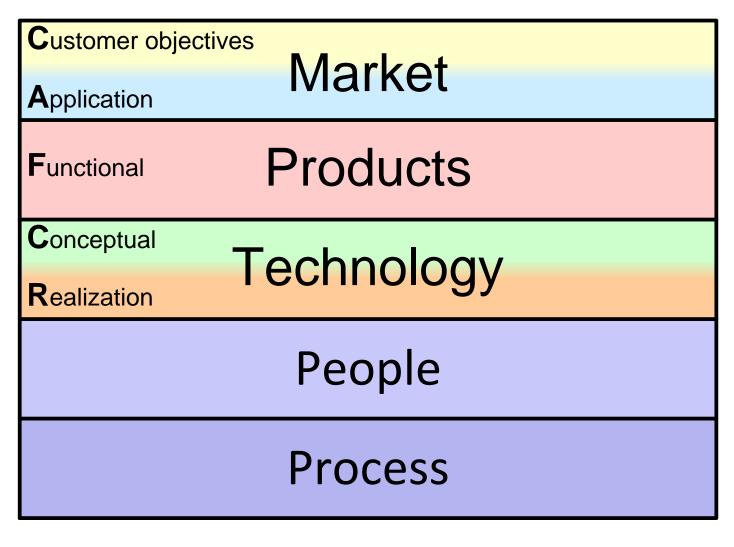
# Result of 3-day CAFCR Workshop





#### The Roadmap Integrates Five Views

–drives, requires– supports, enables



 Marketing Architect technology, process people manager

—time, ca 5 years—►



## From generic mission to factual roadmap



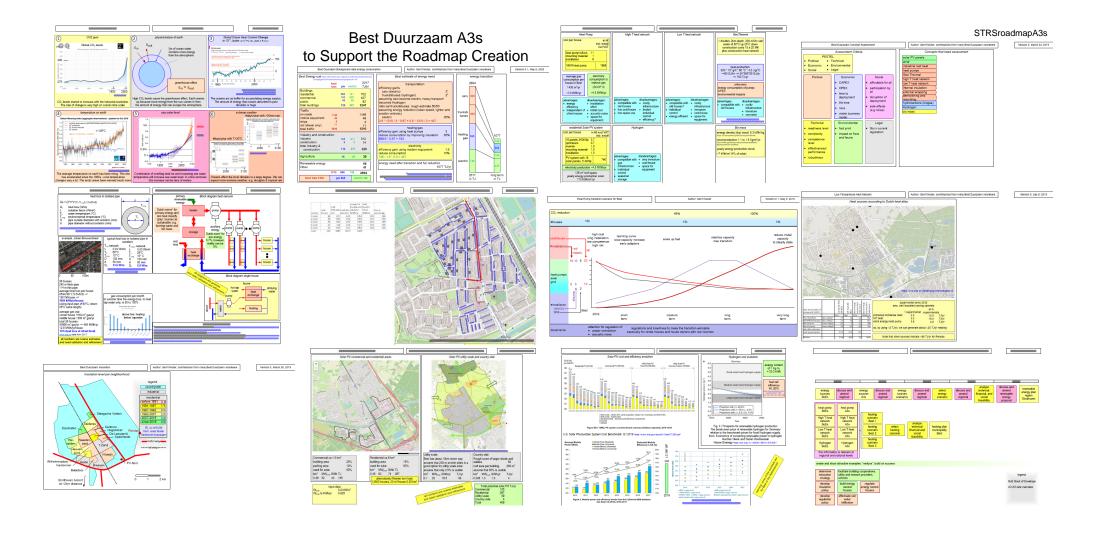
business specific, but open and generic



Market	forecasted facts		
Products		educated scenarios	
Technology	roadmap	forecasted facts	
People	estimates		
Process		educated scenarios	

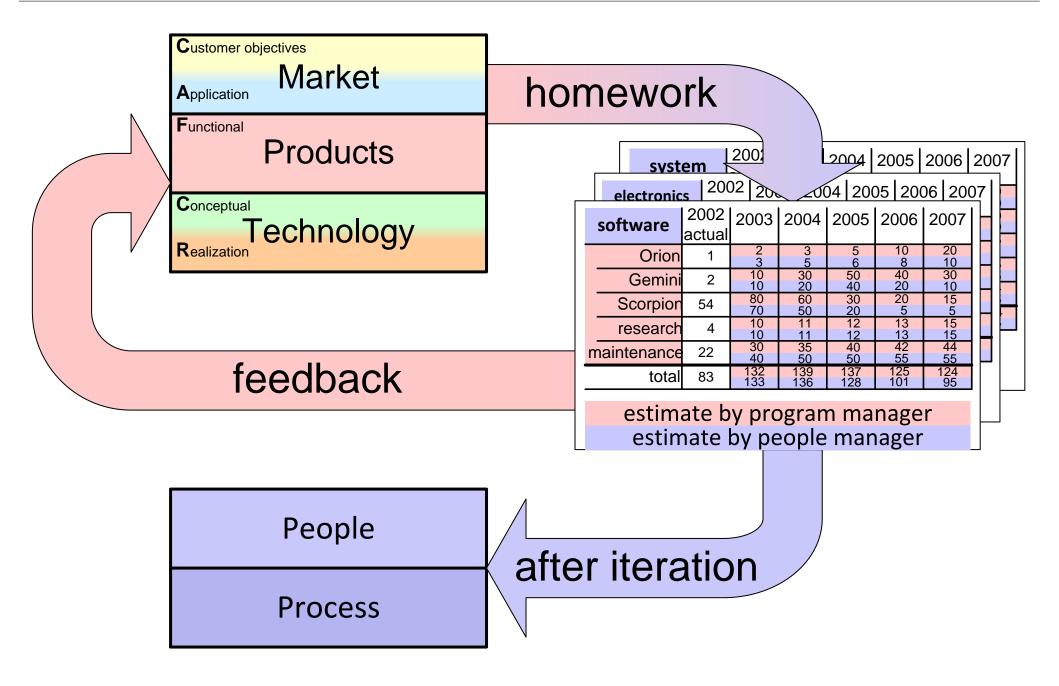


## Example of Data Gathering Sustainability Roadmap



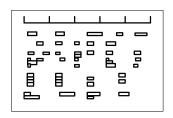


### From Market, Product, Technology to People, Process





### Granularity of Roadmap Material

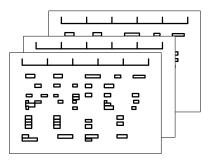


Top-level roadmap

Single page

Poster

part of many presentations

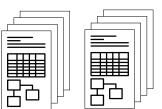


Supporting roadmaps

Single page per view or per driver

Poster

part of many presentations

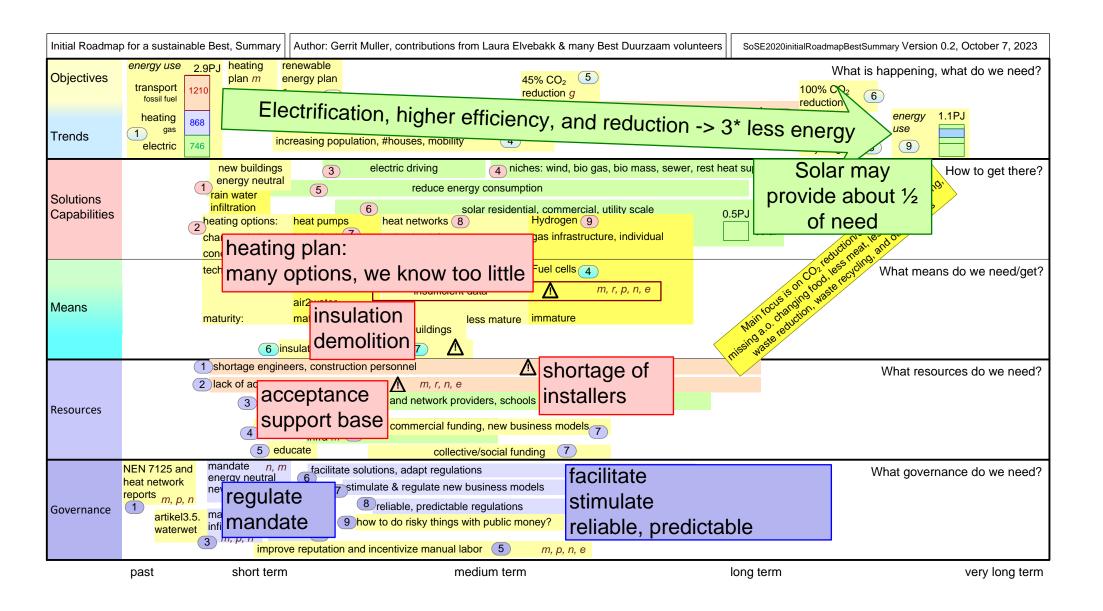


Supporting reports

Document per relevant subject

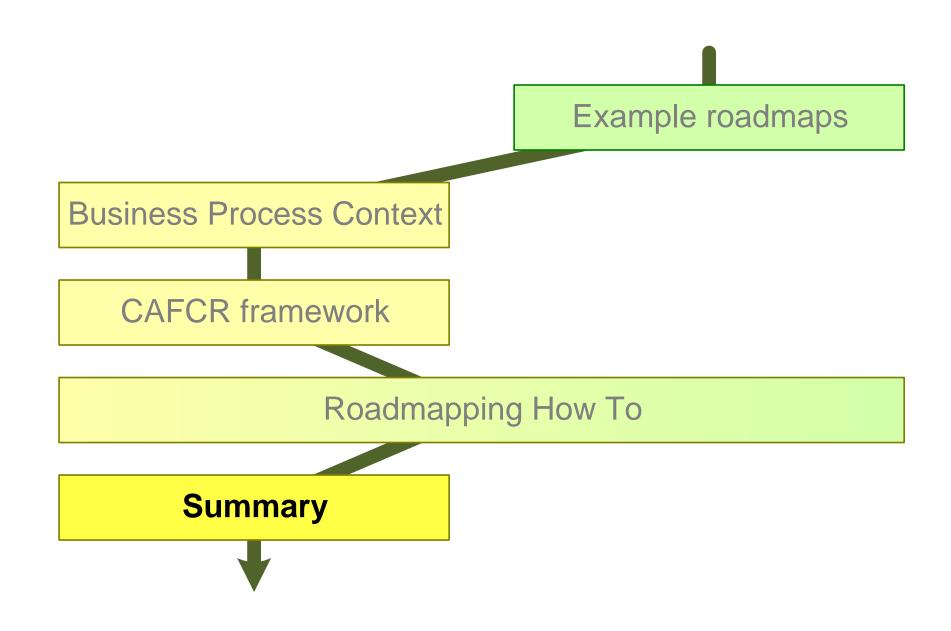


#### Package Roadmap for Target Groups



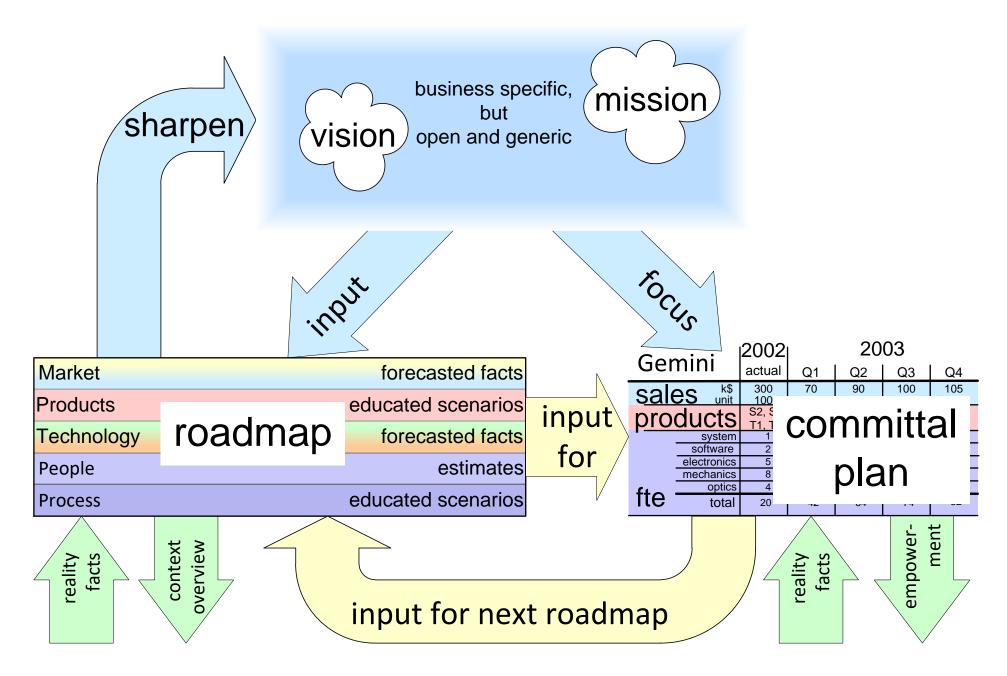


#### Summary



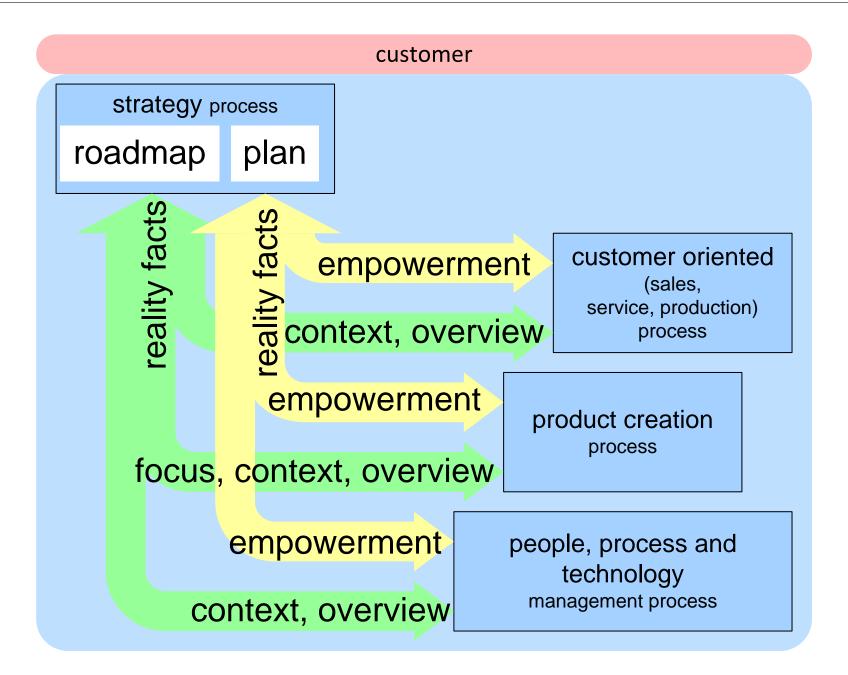


#### Summary of strategy process





## Summary of role in business





#### More Information

#### Cambridge Roadmapping by Rob Phaal

http://www.cambridgeroadmapping.net/

#### Gaudisite Roadmapping Module

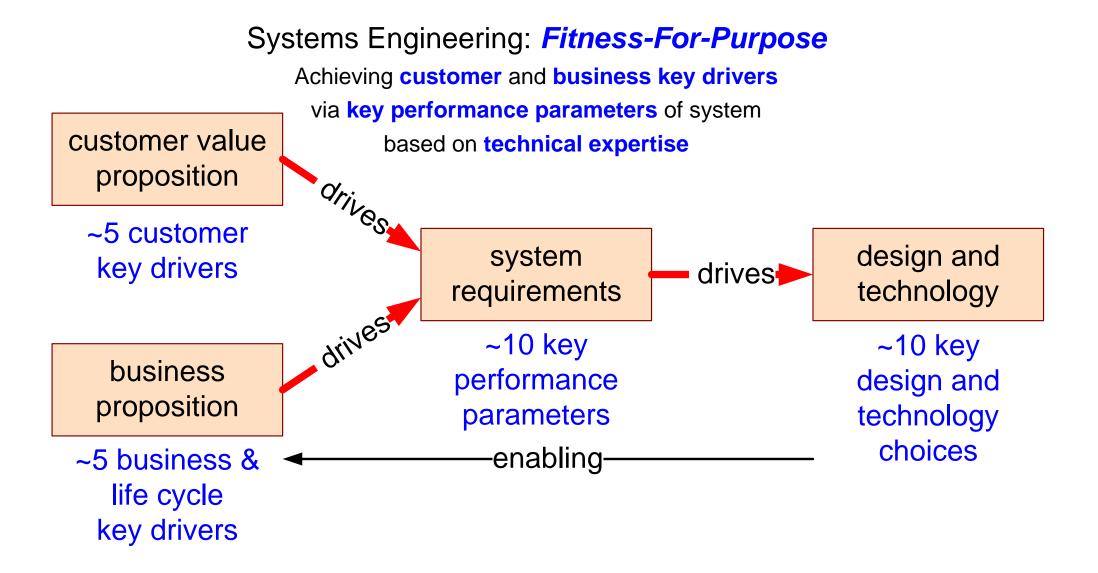
https://gaudisite.nl/ModuleRoadmappingPaper.pdf

Applying Roadmapping and Conceptual Modeling to the Energy Transition: A Local Case Study by Gerrit Muller

https://www.mdpi.com/2071-1050/13/7/3683/pdf

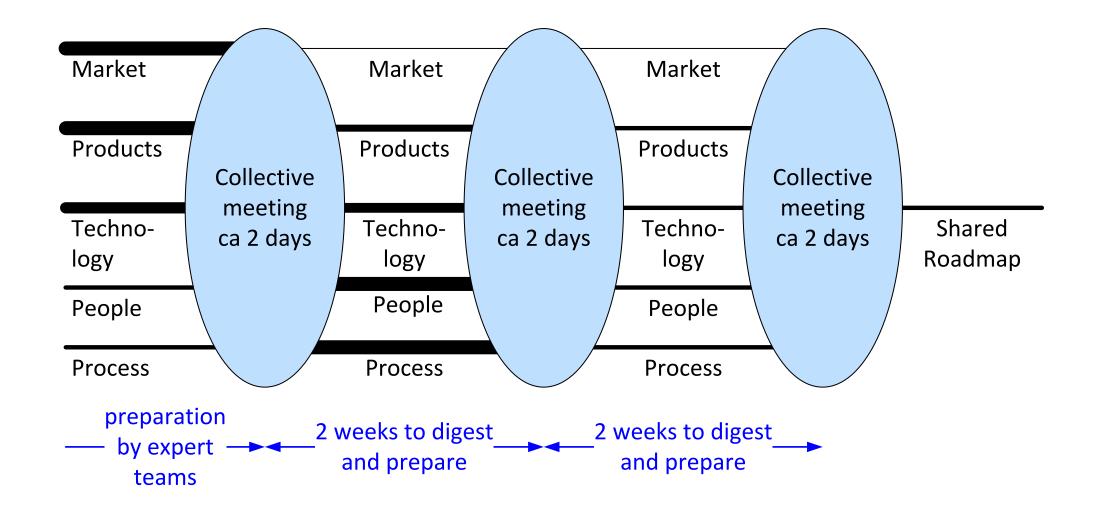


#### The Architecture Captures the Rationale



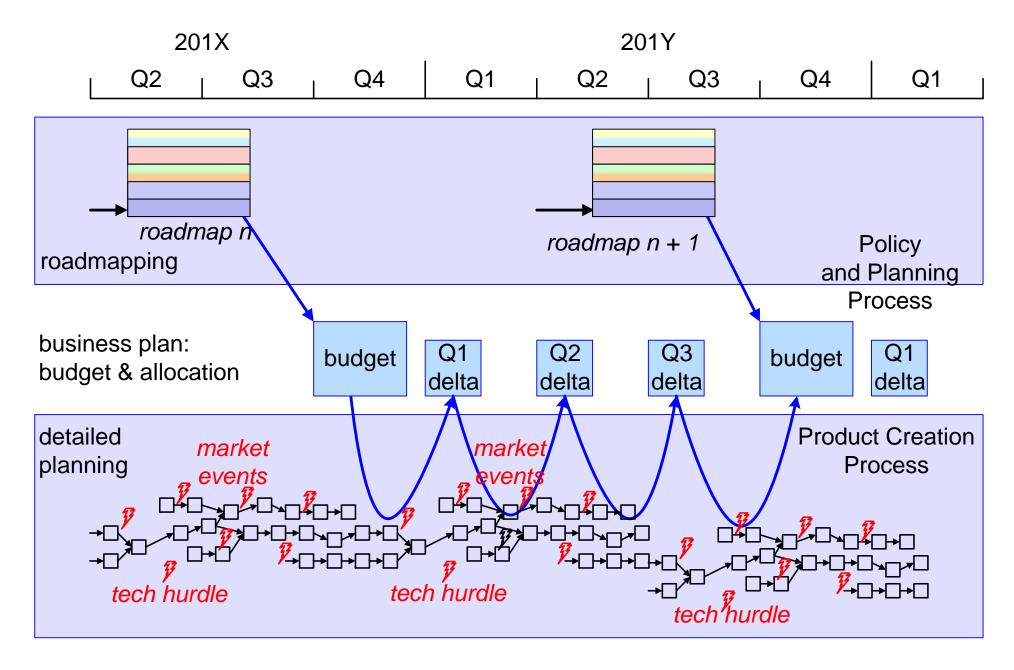


#### Creation or Update of Roadmap in Burst Mode





#### From Roadmap to Detailed Plans





# 3-Tier Approach

	horizon	update	scope	type
roadmap	5 years	1 year	portfolio	vision
budget	1 year	3 months	program	commitment
detailed plan	1 mnth-1yr	1 day-1 mnth	program or activity	control means

