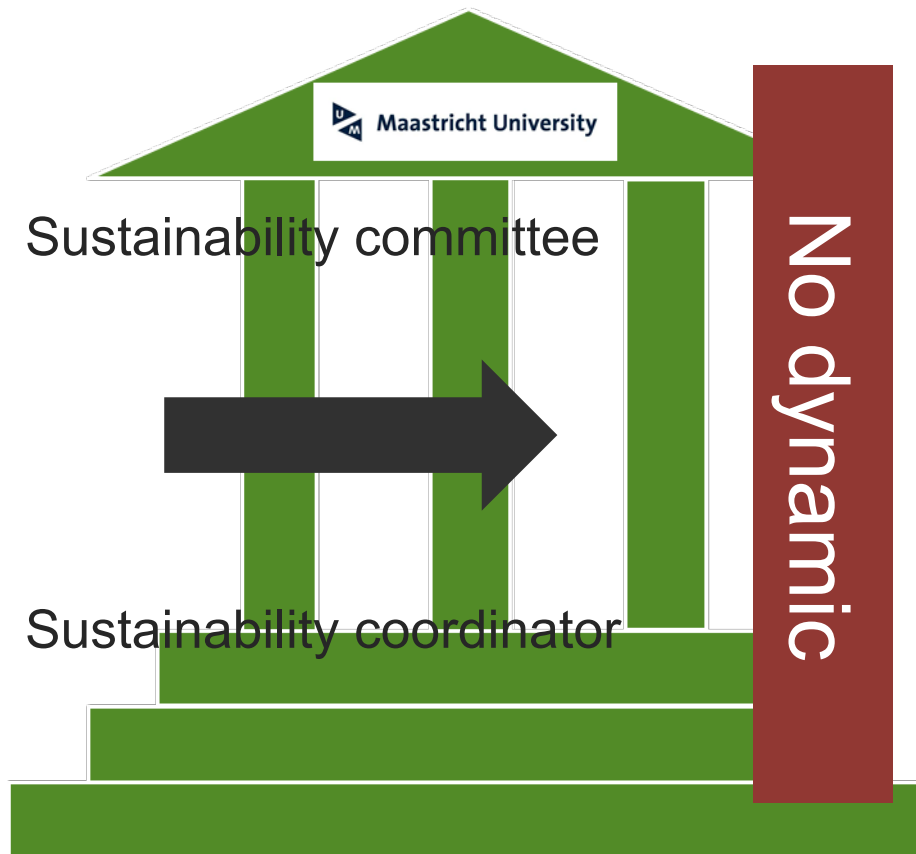


Maastricht University Green Office: Student-driven Green IT projects

Maastricht University
Green Office




rootAbility











Barriers of entry











Sustainability was **not** sustainable

8 Student employees
20 Volunteers



Sustainability coordinator



Maastricht
University
Green
Office



Solution

€135.000



Supervisory board

Education

*Education for
Sustainable
Development*



Research

*Research for Sustainable
Development*

Governance

*Empowerment &
Participation*

Community



*Improved
environmental &
social footprint*



Operations

Education



- Ø *Green Office Academy*
- Ø *Curriculum inventory*



Research

- Ø *Student research projects*
- Ø *Phd*
- Ø *Journal*

Governance

Climate Action Report
Vision 2030
Roadmap
Policy 2012-14

- Ø *Conferences*
- Ø *Sustainability hub*
- Ø *Networking events*

Community



- Ø *Green IT Business Case*
- Ø *Transportation Policy*



Operations

Master thesis: Research focus

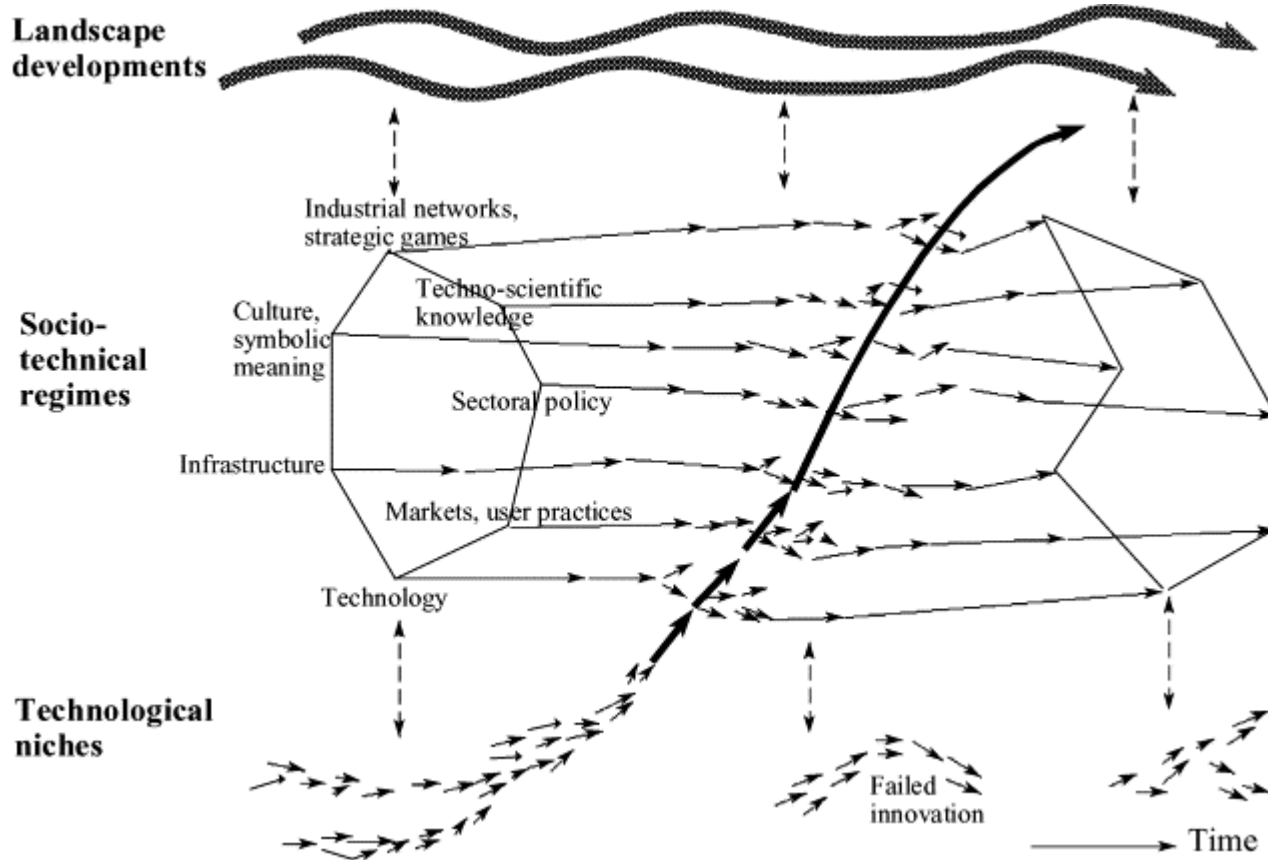
What has been the impact of energy efficiency projects of the Green Office on Maastricht University?

Energy efficient buildings

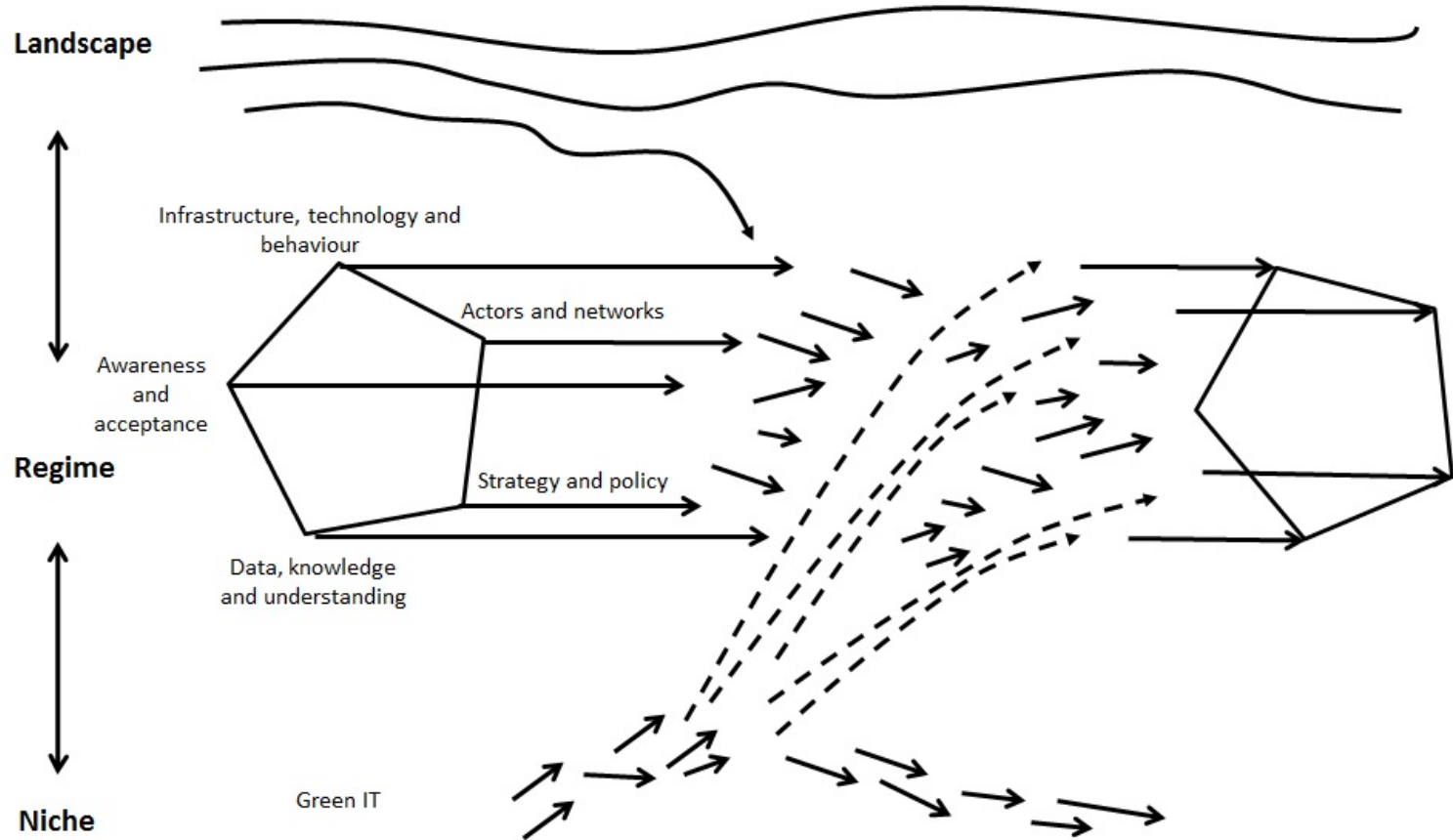
Sustainability strategy

Green IT

Framework: Multi-Level Perspective



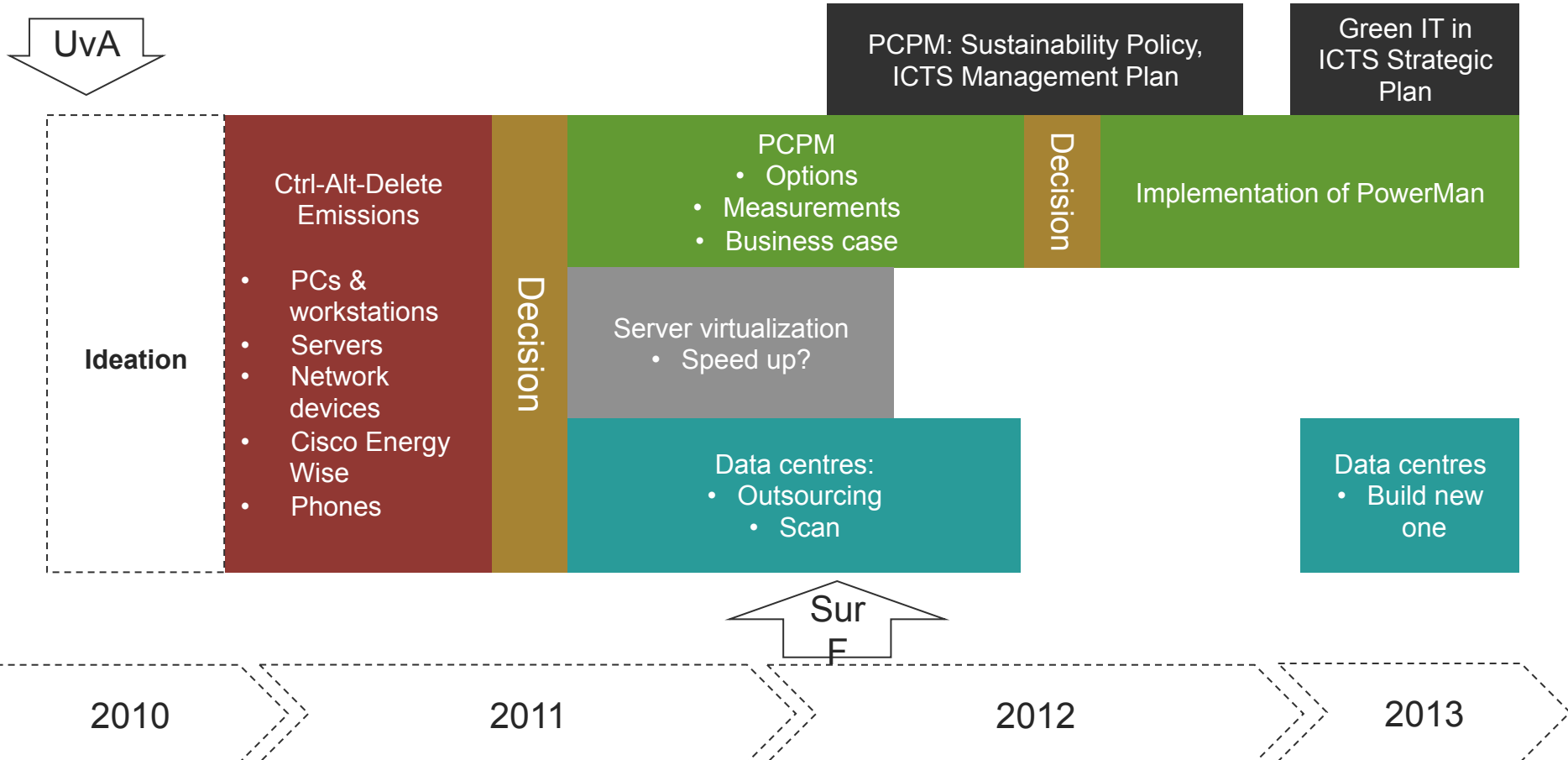
Adapting the MLP



Green IT regime before the Green Office

	2010	2013
Infrastructure, technology & behaviour	<ul style="list-style-type: none">• Server virtualization• One faculty crude PCPM	
Actors & networks	<ul style="list-style-type: none">• Staff members• No users or students	
Strategy & policy	<ul style="list-style-type: none">• No focus on Green IT in management plans	
Data, knowledge & understanding	<ul style="list-style-type: none">• Only PCPM at one faculty• No business cases	
Awareness & acceptance	<ul style="list-style-type: none">• Limited awareness within higher management of ICTS	

Green Office Green IT projects



PC Power Management

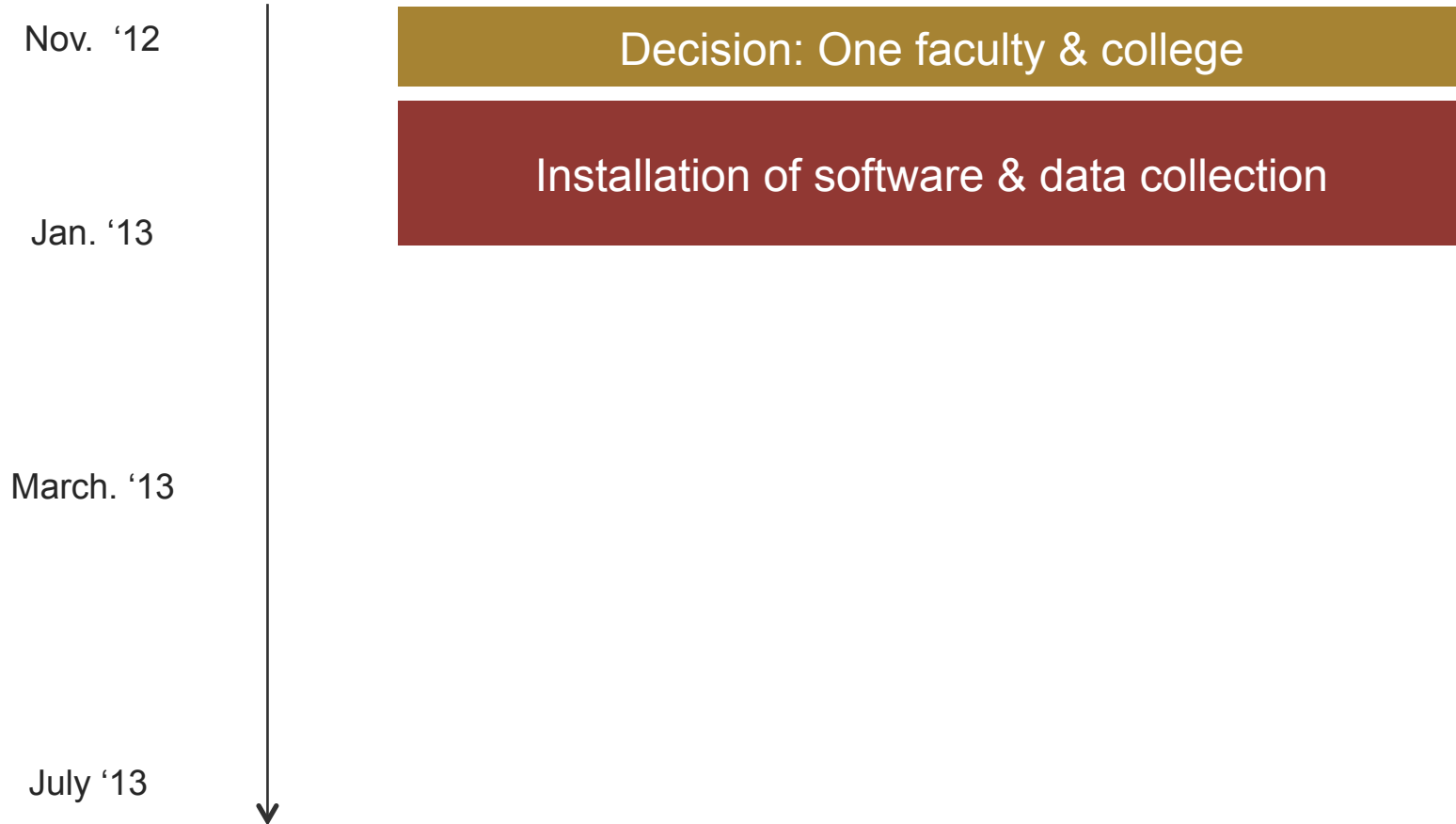
Mogelijke besparing			
	aantal	besparing per werkplek	totaal
AthenaDesktop PC	1224	€ 15,00	€ 18.360,00
AthenaDesktop TC	129	€ 6,00	€ 774,00
AthenaDesktop notebook	469	€ 8,00	€ 3.752,00
UB PC's voor studenten	500	€ 15,00	€ 7.500,00
UB TC's voor studenten	250	€ 6,00	€ 1.500,00
Overige UM PC's	1807	€ 15,00	€ 27.111,64
Overige UM Notebooks	693	€ 8,00	€ 5.540,46
Total			€ 64.538,10

Windows 7



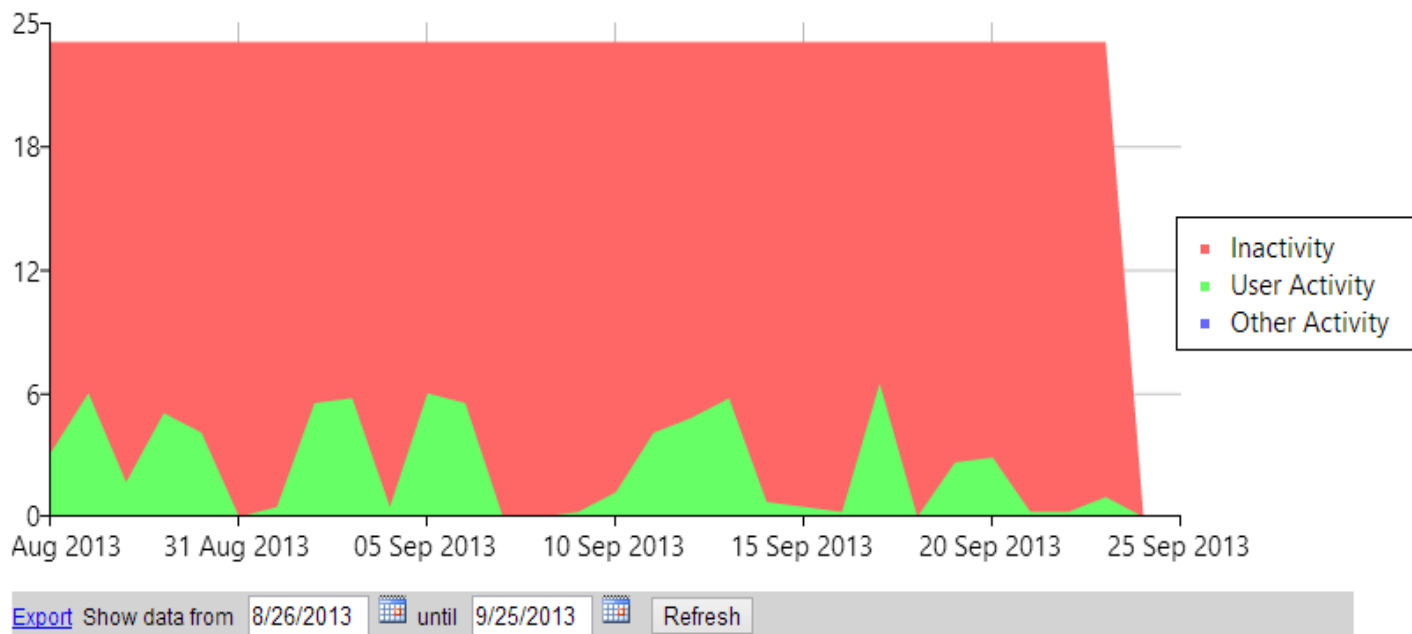
PowerMan

Implementation PCPM

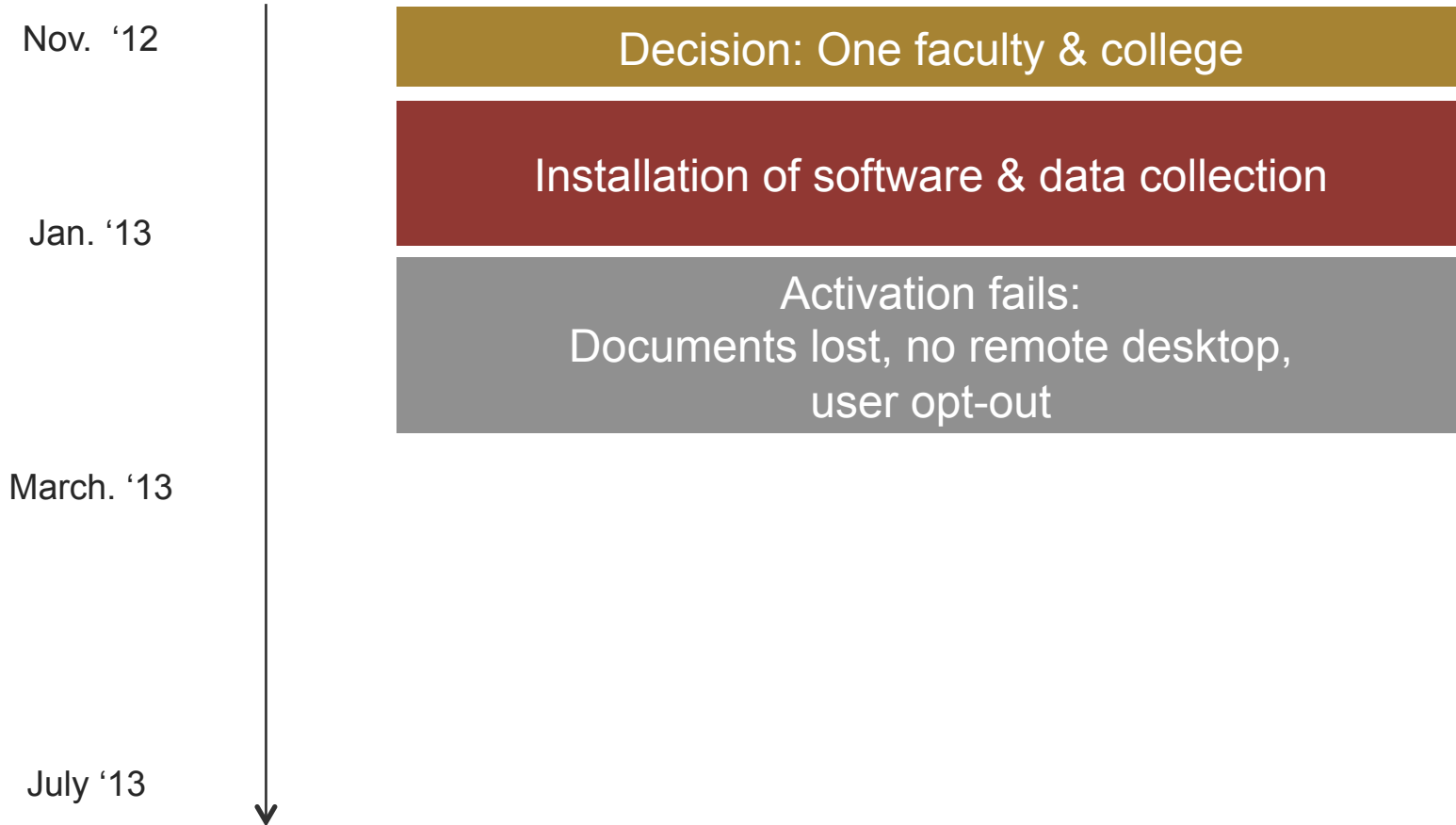


Data collection

Daily Activity Summary / Hours



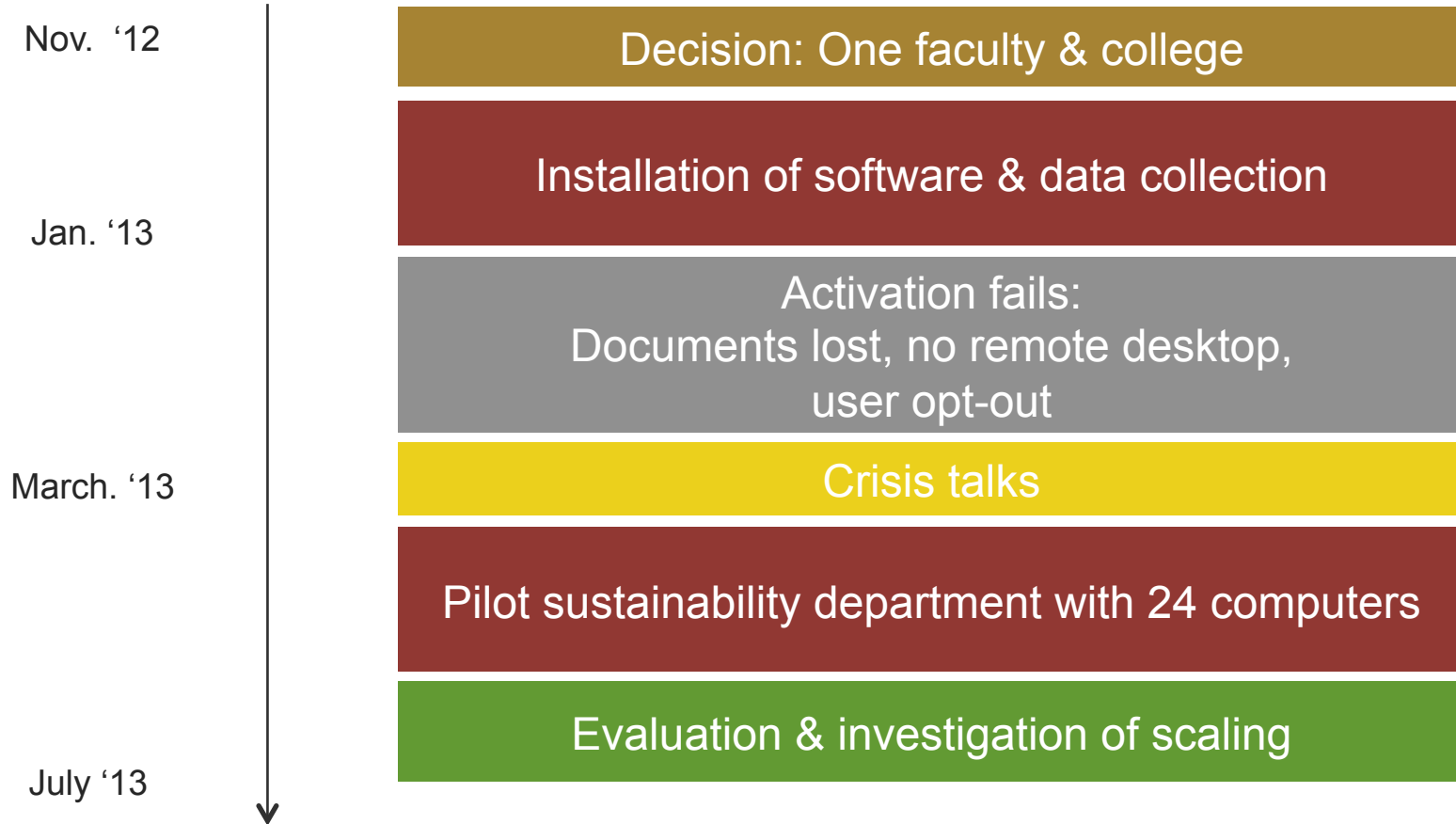
Implementation PCPM



User opt-out

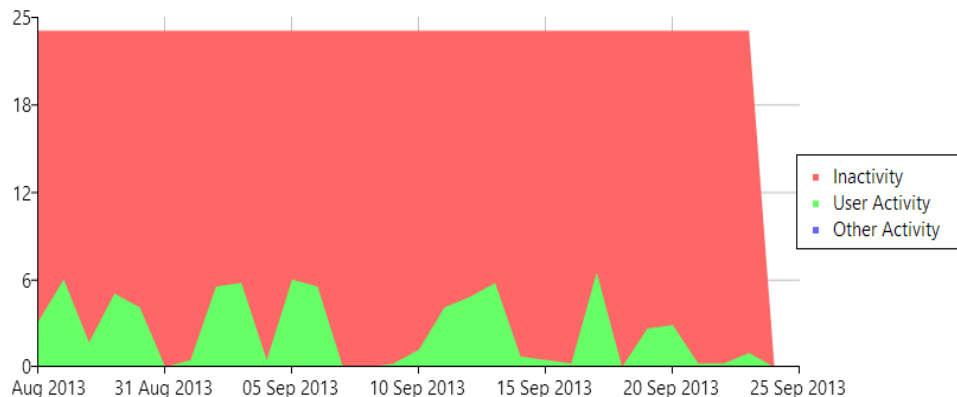


Implementation PCPM



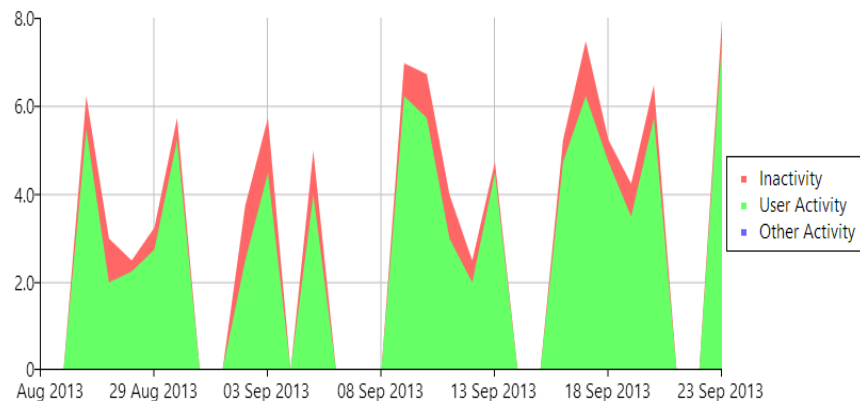
PCPM results for individual PCs

Daily Activity Summary / Hours



[Export](#) Show data from 8/26/2013 until 9/25/2013 [Refresh](#)

Daily Activity Summary / Hours



[Export](#) Show data from 8/24/2013 until 9/23/2013 [Refresh](#)

Green IT regime before the Green Office

	2010	2013
Infrastructure, technology & behaviour	<ul style="list-style-type: none">• Server virtualization• One faculty crude PCPM	<ul style="list-style-type: none">• PowerMan pilot• Server virtualization
Actors & networks	<ul style="list-style-type: none">• Staff members• Users or students not	<ul style="list-style-type: none">• Staff & students involved
Strategy & policy	<ul style="list-style-type: none">• No focus on Green IT in management plans	<ul style="list-style-type: none">• Green IT policy framework
Data, knowledge & understanding	<ul style="list-style-type: none">• Only PCPM at one faculty• No business cases	<ul style="list-style-type: none">• CADE Business Case• Energy scan data centre• PCPM & sourcing proposal
Awareness & acceptance	<ul style="list-style-type: none">• Limited awareness within higher management of ICTS	<ul style="list-style-type: none">• Awareness within higher management of ICTS & executive board

Next steps: Communication campaign

Hand-out

Presentations

Emails

Stickers

Posters

Approval

Why?

What?

How?

Explanations

Success

Quantifiable monetary savings

Policy framework

Collaboration

Investigation of options

Student-driven

Green Office Principles

Challenges

Users overlooked

Communication

Lack of power

Lack of incentives

Too ambitious?

Transitions in GO team

Conclusions

Change on multiple dimensions

Step-wise change

User communication

Student-and-staff synergies

Find ways to involve students

Policies & projects



rootAbility.com

info@rootAbility.com

Situational analysis

	Implemented or running projects
Stakeholders	
Data & knowledge	
Infrastructure, and technology	
Awareness and behaviour	
Strategies and policies	

Steps

1) Sit together in groups of 4-5 people

2) Fill out the existing projects individually (10min)

3) Discuss findings in your group (20min)

4) Change groups (20min)

4) Reflections on exercise (10min)

Theory of change

