

To develop a sustainable university

Case Study Wageningen University & Research

19-10-2017, Joris Fortuin



WAGENINGEN
UNIVERSITY & RESEARCH

Wageningen's domain: Food and Living Environment

- Sustainable production and food processing
- Animal feed and biobased products
- International food chains and networks
- Food security and food health aspects

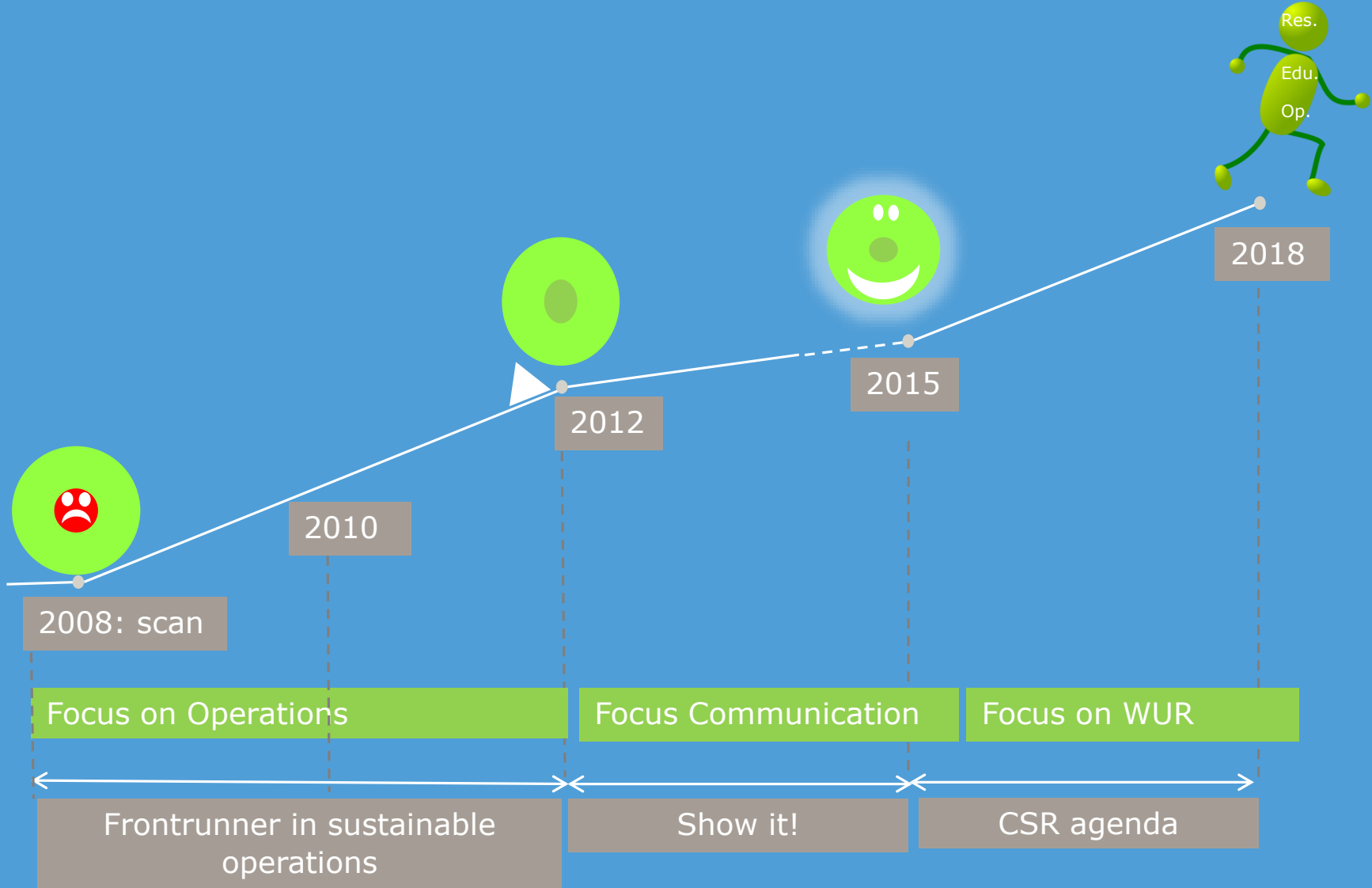


Education & Research

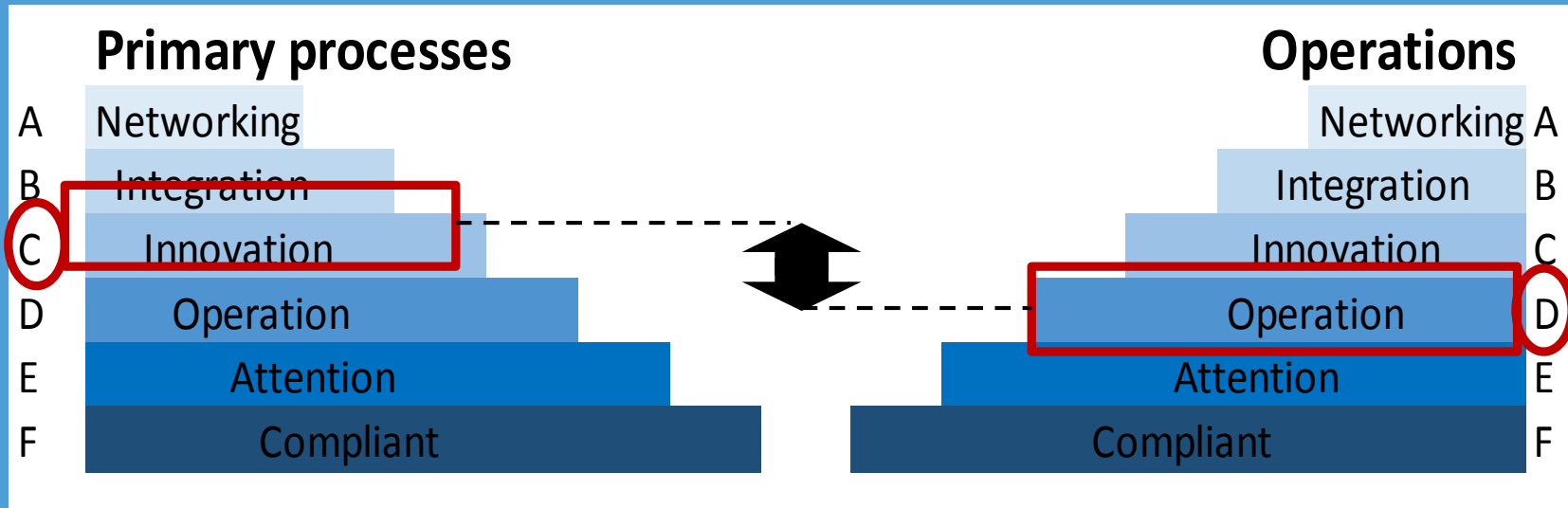
Wageningen University
Wageningen Research

11.000 students
5.000 staff

The road of WUR sustainability/CSR



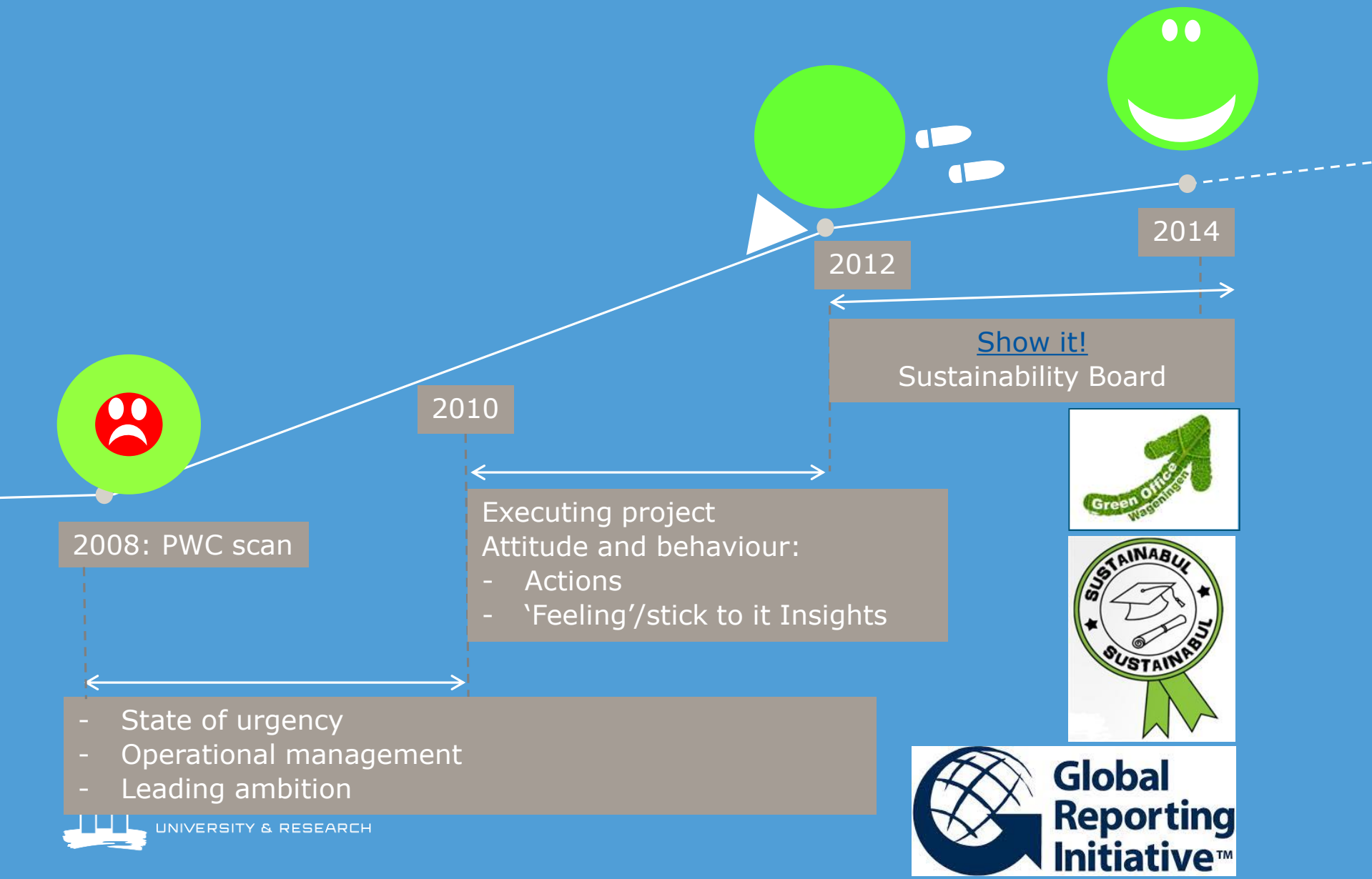
2008 Study PWC: the starting point



Proposed actions	Status	Via 2012
Determine Vision, strategy and goals on Sustainability for WUR by Executive Board.	✓	Ambition + Action Plan
Compose a sustainability working group from staff for cooperate and science Groups.	✓	Task Force + Steering Group
Describe responsibilities for sustainability (via Facilities & Services and SGs and from Board till operational staff).	✓	F&S (HRM) + o.m. QAE
Accord on action plan including SMART activities	✓	Action Plan



The past: 2008-2014



Ambition levels

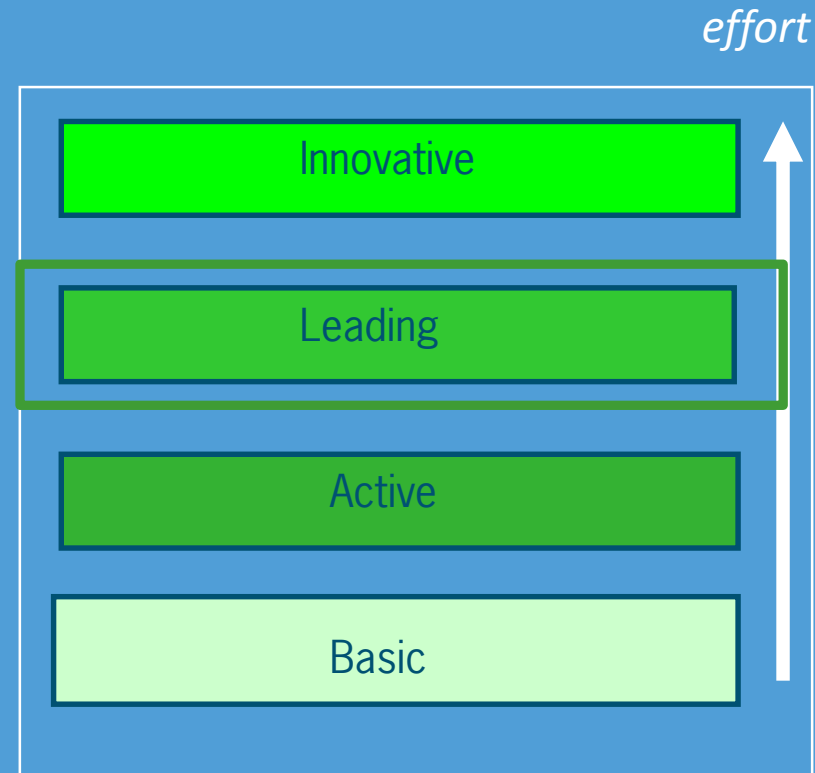
Brief description:

Sustainability consideration/Innov.

Sustainability consideration/Integr.

Economic advantage

Compliance



Sustainable catering: range
 Introduction of compostable drinking cups
 Food waste monitoring
 E-reduction equipment
 Knowledge level of personnel
 Knowledge transfer to and from visitors
 CO₂ footprint catering

Green office: Meatless Mondays

Local/regional products
Stop food waste
Transport optimisation

Suppliers' reports
 Optimisation of collection
 Production of compost and

Green office: plastics

biogas from organic kitchen and
 garden waste

Incentives for using E&R
 AISHE instrument
 Facilitation of pioneers
 Green Learning Centre

Green Office: Green Match, Green Teacher Award en Entrepreneurship for Sustainability

Actions

Intranet, internet

■ Construction & Energy

■ Catering

■ Procurement

■ Waste

■ Mobility

■ Research & Education

■ Sustainable employee

The New Form of Working
 Encouragement of bicycle use
 Sustainability in P&D interviews
 The 'leading by example' role of management

Sustainable behaviour of personnel
CSR: social paragraph in CSR
Digital payslip
Green Office: Smart IT, warm

E-efficiency

Organic Village/plt-e
 Sustainable Campus
 Energy management
 LED lighting
E-Saving in the north section of the Campus
Solar power
Framework plan for thermal storage
O&R Check-list
DJOP/DMJOP
Pioneering construction

Sustainability table
 0-measurement + monitoring
 Department for improving sustainability
 Embedding policy
Panel set-up
Local purchases

Mobility covenant
 Incentives for travelling by train
 Carpooling
 Video conferencing


CO₂ compensation fund
E-bicycle and E-scooter
Green guests
Promotion of travelling by public transport and bicycle
HQPT service and bicycle dispenser

Green Office: re use bicycles, Introduction Days

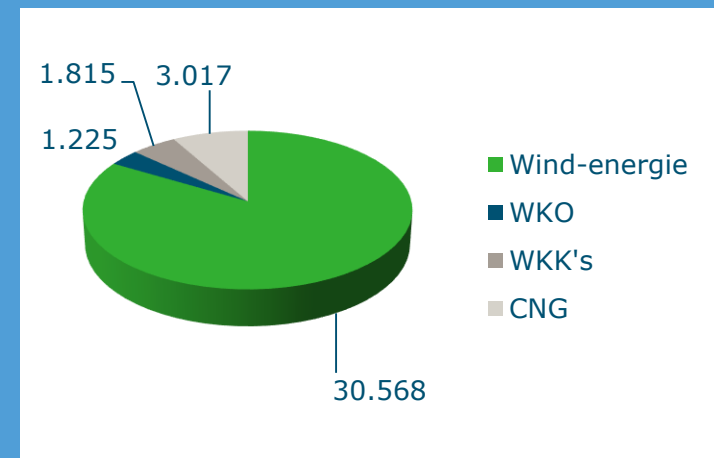
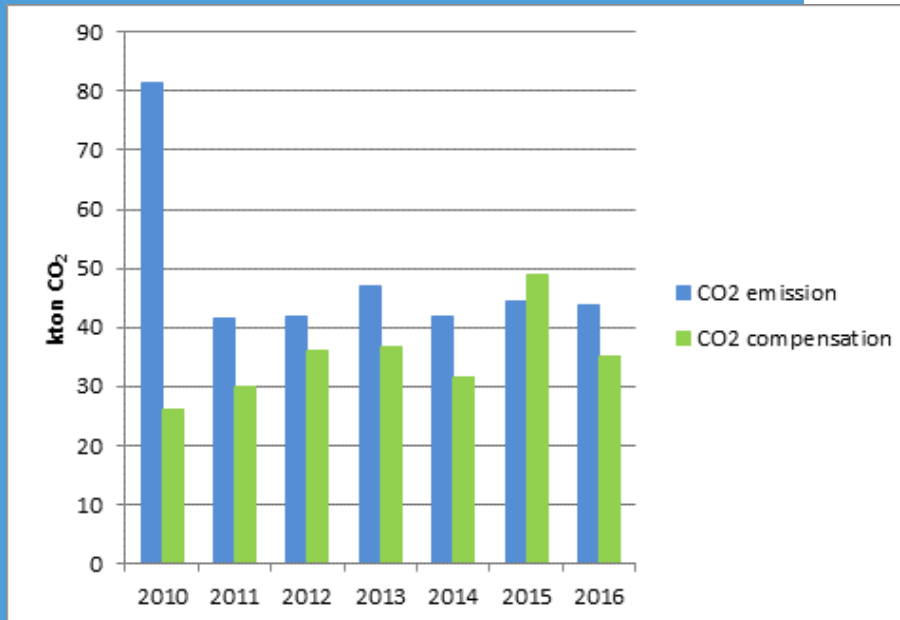
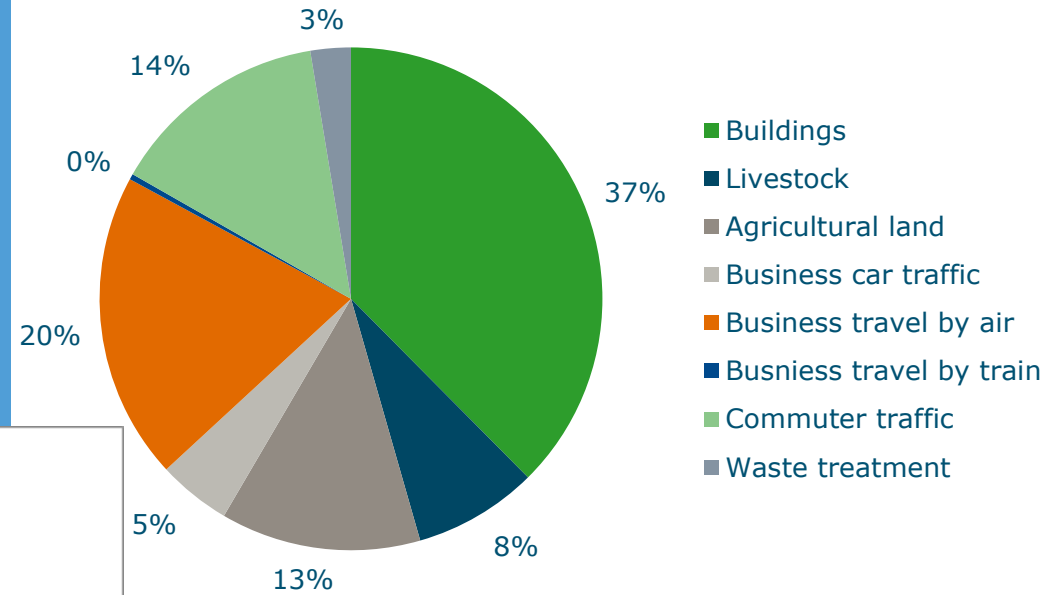
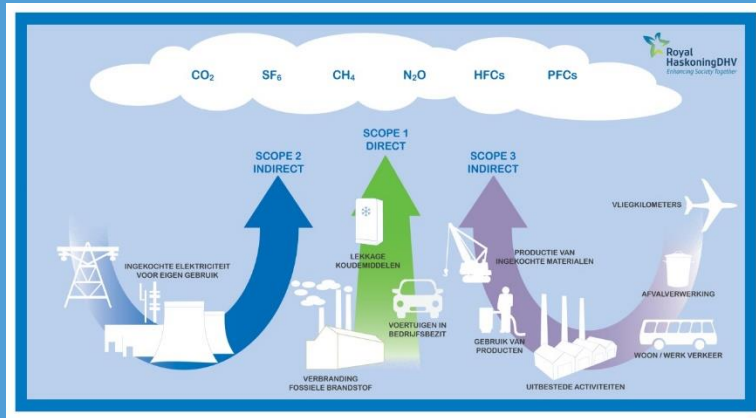


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2012-2014: Show it! – some results

Activities	Results of sustainable operations	Results of sustainable Wageningen UR
Fulfilment of the 'leading' ambition		
Links between Education, Research and Operations		 
Creation of awareness	 	

Basis Carbon footprint



Results of operations

Table 2.23 *Summary of the environmental results of operational management*

Component/Issue	Objective	Achieved in 2016
(1) CO ₂ footprint	Reduction relative to 2010	-46%
CO ₂ compensation footprint	Increase relative to 2010	35%
Climate neutrality		80%
(2) Energy	2.0% reduction per year	-2.3%
	Sustainable electricity procurement	100% ^{a)}
	Generating wind energy	58 million kWh
(3) Waste	Reduction relative to 2014	+16%

a) Purchase of wind energy with guarantees of origin, registered with certiq

Towards WUR-CSR

Core:

Balancing scientific, social and economic interests in our considerations and our responsibilities exceed our own activities.

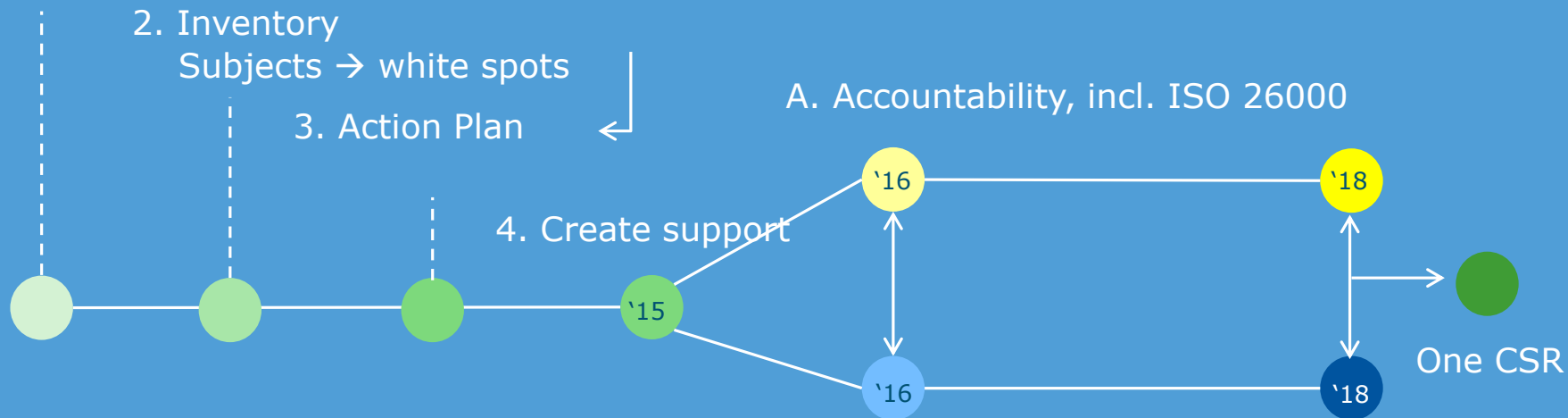
1. Responsibility to Corporate Staff

2. Inventory Subjects → white spots

3. Action Plan

4. Create support

A. Accountability, incl. ISO 26000



CSR process

1. Long list topics

- Desk research
- Define long list
- Define peers
- Define references/
sources



2. Short list topics

- Selection of topics as input for prioritisation
- Define & determine definitions

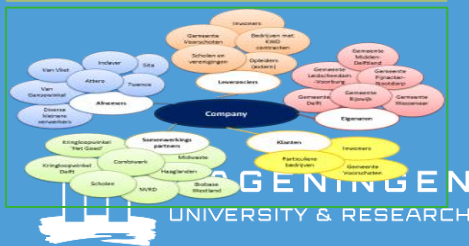
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3. Internal consultation

Discuss & prioritise CSR topics (2 sessions with representatives)

4. Stakeholder-group identification

- Desk research
- Define/ design stakeholder map



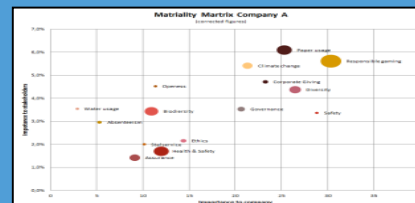
5. External consultation

- Consult external stakeholders on shortlist topics
- Consolidate and analyse results

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6. Conclude on materiality

- Compile list of material topics
- Materiality matrix



7. Define CSR policy and CSR agenda

- Define relevant CSR topics based materiality
- Determine CSR strategy
- Translate outcomes into the annual report



Guideline for reporting

Aspects (GRI G3)

Economic performance & Market presence

Indirect economic impacts

Materials & waste

Energy & emissions

Water use & discharge

Biodiversity

Impact products

Transport

Environmental protection

Employment & working conditions

Health & safety

Diversity

Human Rights

Local communities

Corruption & Anti-competitive behaviour

Public Policy

Compliance

Product Labelling

Customer satisfaction

Marketing Communications

Customer Privacy

Investment & procurement practices

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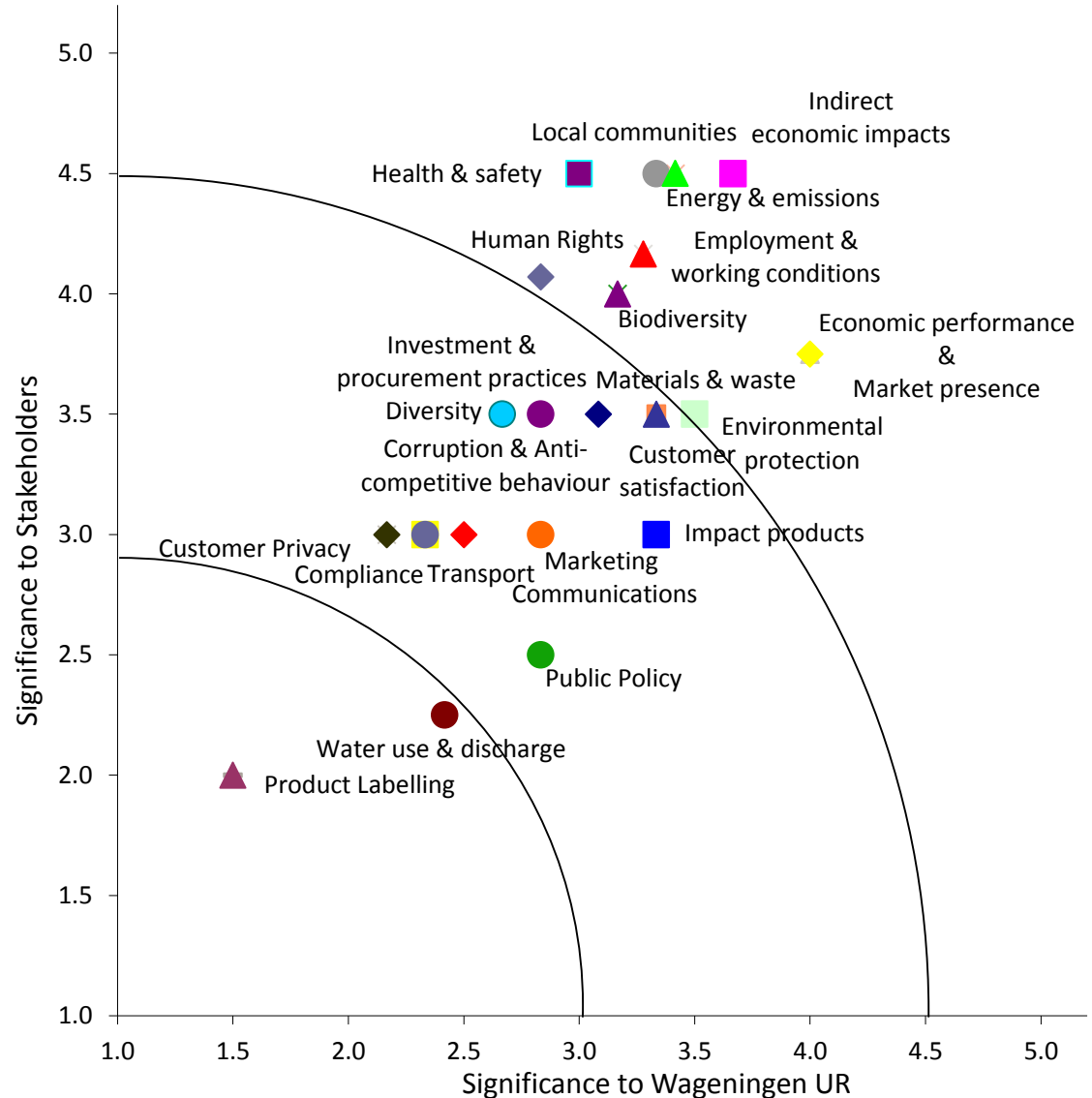
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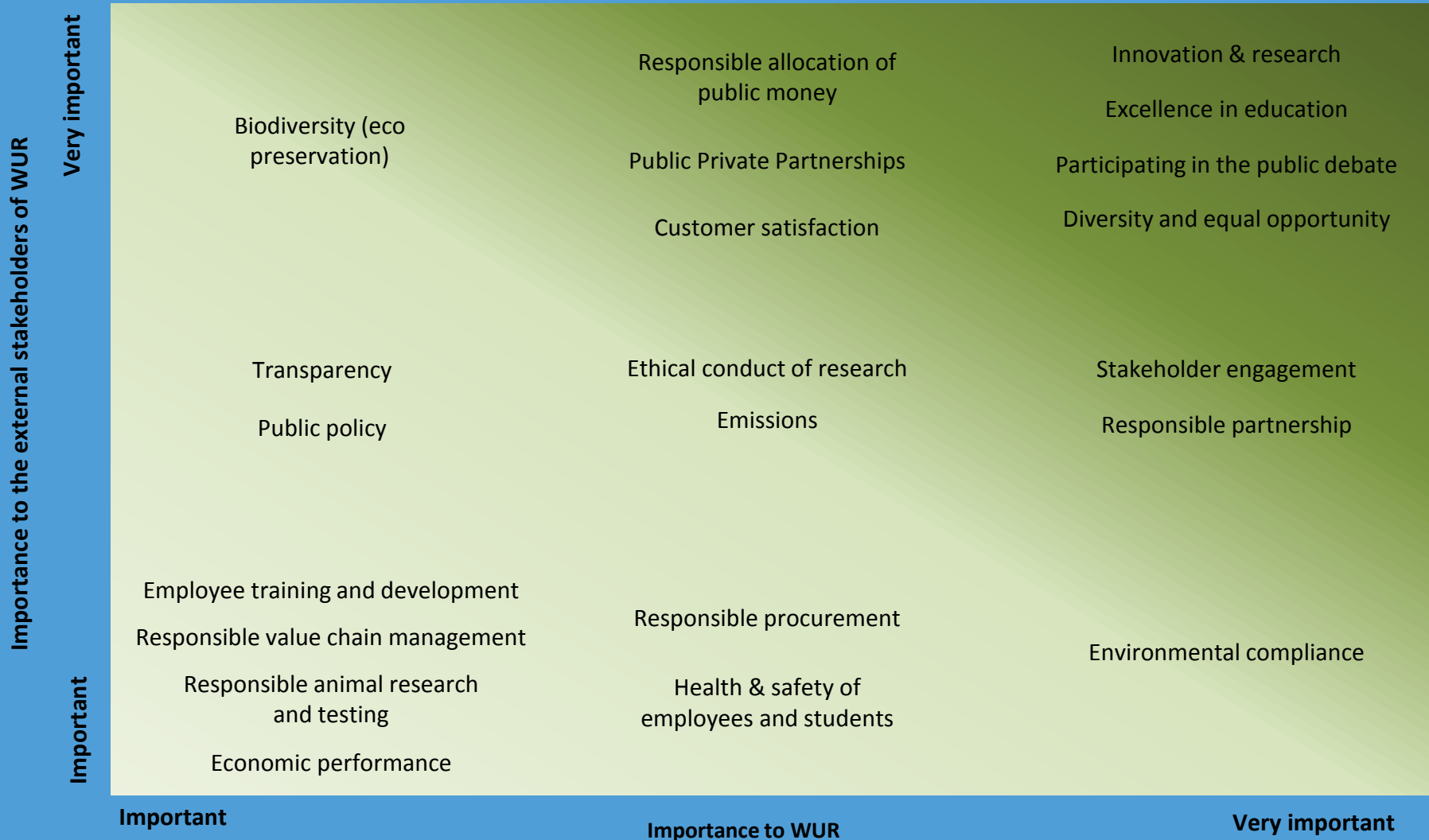
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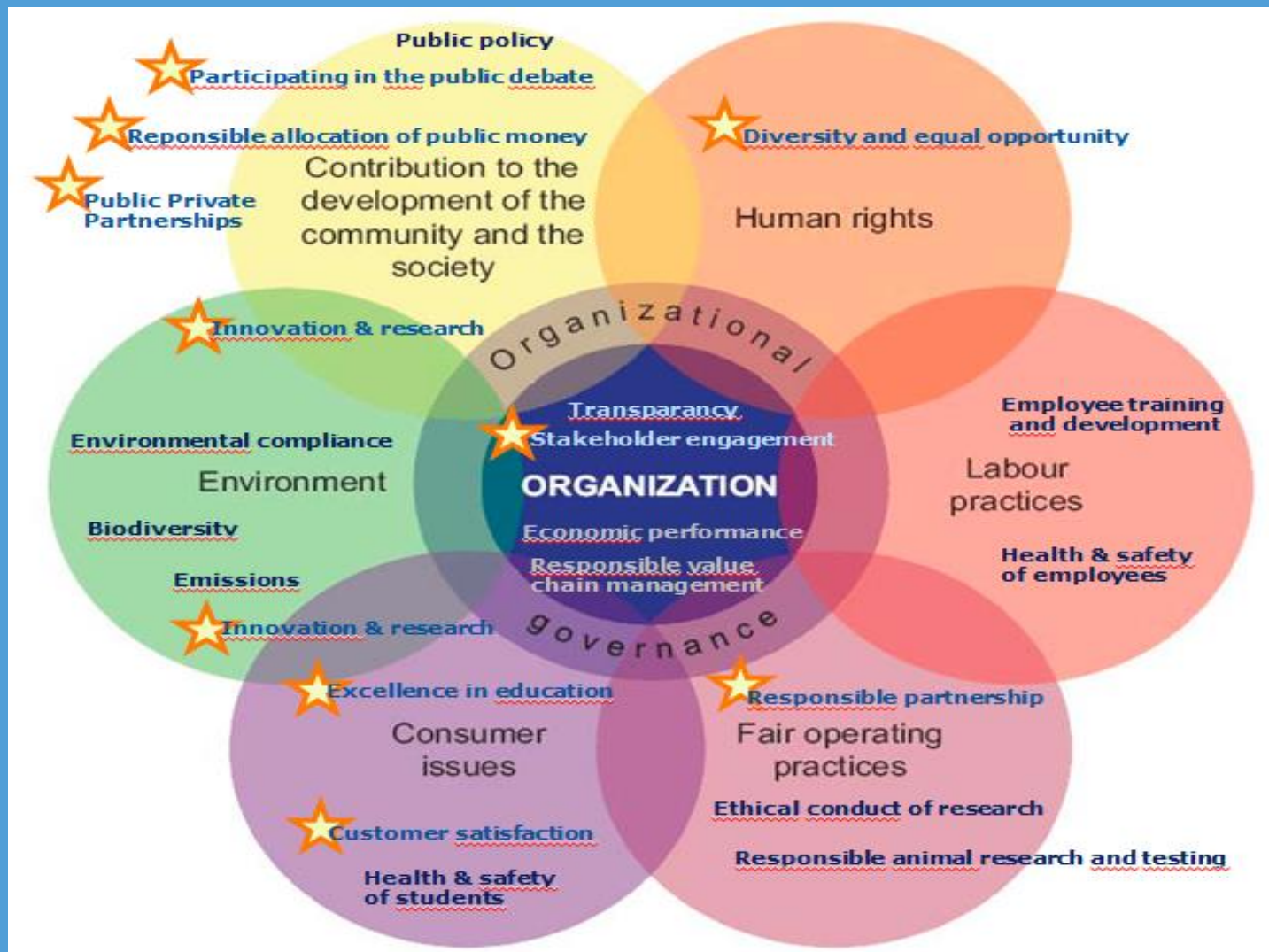
Reporting priority



CSR topics:



Shortlist CSR combined with ISO 26000



Wageningen University's mission for education:

- “We educate students to become academic professionals, who can contribute to sustainable solutions for existing and future complex issues in the domain of ‘healthy food and living environment’ all over the world, and who take their social, personal and ethical responsibilities seriously.”

we offer:

- high-quality scientific knowledge (content);
- rich learning environments (organisation of learning processes); and
- flexible and personalised learning paths (flexibility and facilitating learning).

Sustainability in Education

- The past years, WUR has developed a vision for sustainability in her education, research and operational management.
- We strive to practice what we teach.
- We aim to remain a forerunner in transparent, sustainable operations, and in education and research on sustainability.
- Sustainability and value creation are therefore part of our Vision for Education 2017.

Wageningen University performance for Green Metric indicators of sustainability.

Sustainability indicator education	2014	2015	2016
Number of courses linked to sustainability	668	668	625
Total budget for research on sustainability (dollars)	\$391 million	\$354 million	\$359 million
Total research budget (dollars)	\$651 million	\$590 million	\$564 million
Number of academic publications on sustainability	735	2198	2669
Number of academic activities	23	61	86
Number of student organisations linked to sustainability	6	13	15
Information about sustainability on website	Yes	Yes	Yes

^[1] Number of courses decreases, but the percentage of courses linked to sustainability remained the same.

^[2] Using dollars as currency is required by the Green Metric.

SDG@WUR



Zero Hunger

End Hunger, achieve food security and improved nutrition and promote sustainable agriculture.



Good Health and Well-Being

Ensure Healthy lives and promote well being for all at all ages.



Clean Water and Sanitation

Ensure availability and sustainable management of water and sanitation for all.



Climate action

Take urgent action to combat climate change and its impacts



Sustainable Cities and Communities

Make cities and human settlements inclusive, safe, resilient and sustainable



Responsible consumption and production

Ensure sustainable consumption and production patterns



Life below water

Conserve and sustainable use the oceans, seas and marine resources



Life on land

Protect, restore, and promote sustainable use of terrestrial ecosystems, sustainably manage

+ More information & projects

+ More information & projects



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SDG@WUR is targeted at enhancing the SDGs within Wageningen University & Research, and at the same time looking for collaboration opportunities within and outside Wageningen University & Research

Where we stand:

- Improved and increased student participation via Green Office;
- Strengthened focus on sustainability via the Sustainable Development Goals;
- Started Wageningen Dialogue and invested in staff for using social media to spread knowledge and enhance dialogue with each other and external stakeholders;
- Establishing the CSR Agenda and Statement of Intent.

Sustainable rankings



Wageningen University
is the third greenest
university in the world

University of Indonesia

▪ (In 2014: 37; in 2015: 32)



Received the
SustainaBul award for
the fifth time in a row

Students of 'Morgen'
(Tomorrow)
(National)

Transparantiebenchmark 2016
De Kristal

Most transparent of all
universities and
research institutions in
the Netherlands

Ministry of Economic Affairs
(National)

Results

Sustainable education

- All students are educated about sustainable solutions and perspectives.
- Many courses, minors, internships and theses about sustainability
- Green Teacher Award of Green Office

Sustainability@home

- Our operations are increasingly sustainable
- Green Office launched in 2012
- Many initiatives of students and staff aiming to increase sustainability

Sustainable research

- The majority of our research contributes directly to knowledge on sustainability or sustainable development

Partners in sustainability

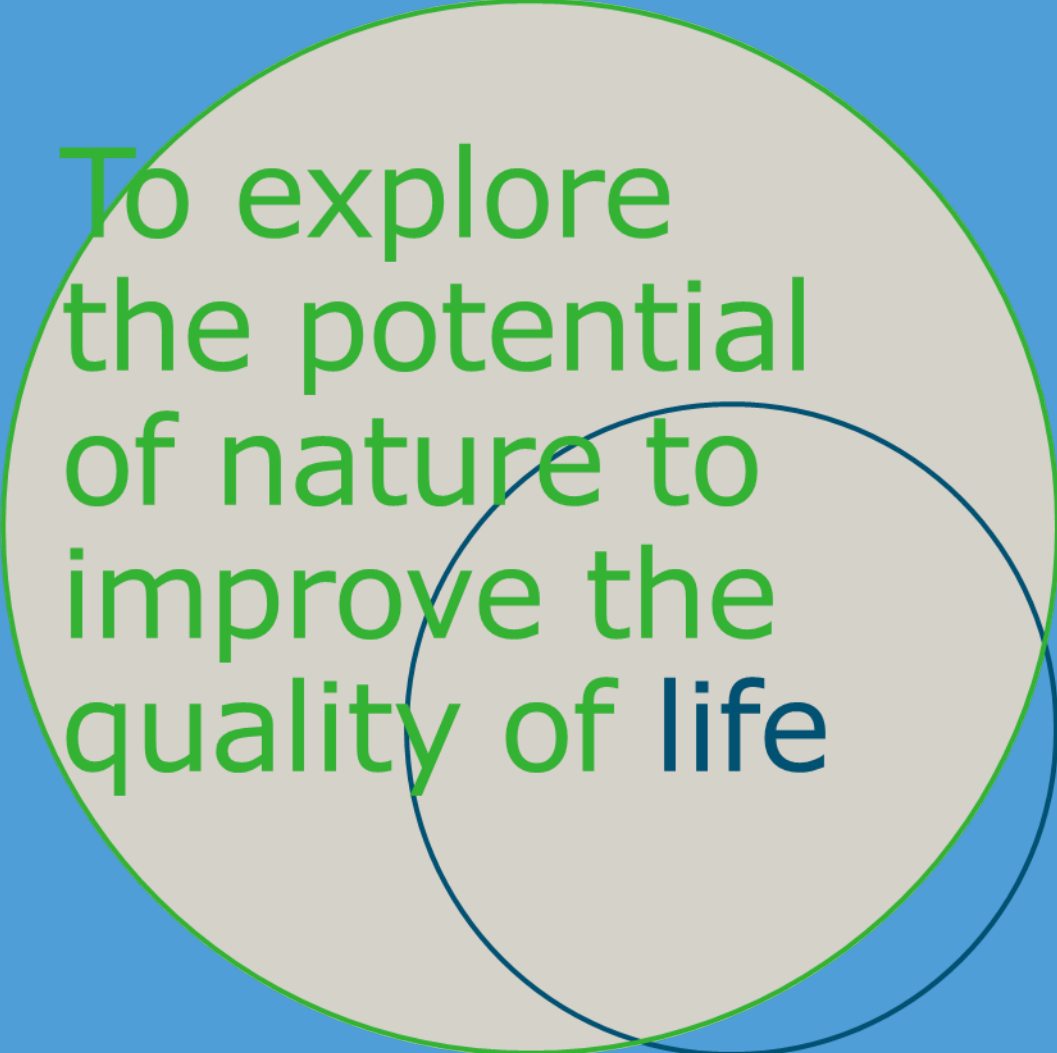
- 15 student organisations linked to sustainability
- Dialogue and co-operation on sustainable development with companies, governmental bodies, municipality and societal organisations.

Sustainable position

- SustainaBul Award for the fifth year in a row
- Most transparent university according to the Transparency Benchmark 2016
- Third greenest university in the world, as declared by the GreenMetric ranking 2016



Thank you for
your attention!



To explore
the potential
of nature to
improve the
quality of life

