Wageningen University & Research International Strategy / EU Strategy

8 March 2018, Peter Jongebloed EU office, Corporate Strategy & Accounts
Two worlds – one Wageningen

**Wageningen University**

- 2,529 fte faculty and personnel
- Turnover in 2015: €317 million

**Wageningen Research**

- 2,410 fte personnel
- Turnover in 2015: €315 million
- 8 institutes
To explore the potential of nature to improve the quality of life

- Natural resources and living environment
- Food and biobased production
- Society and well-being
Addressing global challenges

- Food & nutrition
- Security
- Liveable cities
- Climate Change
- Bio-based economy
- Biodiversity

Liveable cities
Core tasks

Education

Research

Knowledge transfer
Education: an international research university

Regular university profile

Wageningen University
Graduate schools
- EPS (Plant Sciences)
- WIAS (Animal Sciences)
- WIMEK (Environmental Sc)
- PE&RC (Nature & Ecology)
- WASS (Social Sciences)
- VLAG (Food)

6 Post-graduate schools (4 years)
- PhD
- MSc (60%)
- BSc (10%)

29 masterprograms (2 years)
- MSc

20 Bachelor programs (3 years)
- BSc

Internationale studenten

Profile:
- > 40%
- 60%
- 10%
**Student Numbers**

<table>
<thead>
<tr>
<th>Year</th>
<th>Total</th>
<th>Dutch</th>
<th>Non-Dutch</th>
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<tr>
<td>2017-2018</td>
<td>12,001</td>
<td>9,213</td>
<td>2,788</td>
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<tr>
<td>2015-2016</td>
<td>9,840</td>
<td>7,780</td>
<td>2,060</td>
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<td>2002-2003</td>
<td>4,571</td>
<td>3,712</td>
<td>859</td>
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Student growth
Graduations (2016)  296

Man  128  Woman  168

Dutch 39%  Non-Dutch 61%

1936 candidates on their way to PhD graduation
Rankings

1
WUR ranking in QS World University Rankings 2016-2017
"Agriculture and Forestry"

4
WUR ranking in QS World University Rankings 2016-2017
"Environmental Sciences"

47
WUR ranking in Times Higher Education World University Rankings 2015-2016

29
WUR ranking in Academic Ranking of World Universities 2015
"Life & Agriculture Sciences"

1
WUR ranking in National Taiwan University Ranking, World Universities 2015-2016
"Agriculture"

3
Green Metric Ranking
Most sustainable university

1
WUR ranking in Keuzegids in full time university education (keuzegids 2017)

1 (3 years running)
WUR ranking in transparency Index
1st place universities
#57 overall

1 (5 years running)
WUR ranking in Sustainabul 2017 Sustainability ranking
Wageningen in the world
Strategic investment themes

- Global one health *Improved health for people, animals, and plants*
- Resource use efficiency *More sustainable and efficient production and consumption systems*
- Resilience *Research into the resilience of ecosystems and economic and social systems*
- Metropolitan solutions *Research on issues regarding the sustainability of the quality of life in cities*
- Synthetic biology *Development of new biological systems*
Wageningen Research themes

1. Sustainable food & non-food production
2. Global food and nutrition security
3. Metropolitan solutions
4. Circular & biobased economy
5. Healthy and safe food for healthy lives
6. System earth management
7. Big data, technologies and methodologies
8. Social innovation for value creation
our institutes

- Wageningen Food & Biobased Research
- Wageningen Livestock Research
- Wageningen Bioveterinary Research
- Wageningen Environmental Research
- Wageningen Plant Research
- Wageningen Economic Research
- Wageningen Marine Research
- RIKILT (food safety)
Wageningen Campus

196 companies
6,800 jobs
10,800 students
Wageningen Campus

- Aimed at encounters and contact between knowledge organisations, educational institutions, the business community, and start-ups

- Also at Wageningen campus: FrieslandCampina, Noldus, Unilever (starting 2019), Yili, Kikkoman and Keygene, NIOO, Aeres University of Applied Sciences, and many SMEs and start-ups

- Facilities: shared research facilities, library, meeting places, programming, language centre, expat centre, extensive sports facilities, campus restaurants, and a selection of shops

- Opportunities for businesses at different stages
Wageningen UR has the ambition to develop high-quality research, education and value creation for and with international partners to efficiently and effectively address global challenges and capitalize on business opportunities within our domains...

Objectives

- Increase the scientific and social impact of WUR
- Increase the international markets of WUR
**European Strategy**

- Wageningen UR sees **Europe** as our home market, integral part of **strategy plans** SGs and WUR

- **H2020** and related EU **public-public** and **public-private programmes** very important **tools** to improve our international position and realize our strategy

- **H2020** as tool **to cooperate** with **knowledge institutions** and **companies** in **Europe** and **beyond**

- **Services** for **researchers** at Science Group level and by **EU-office**

- **Wageningen EU Account team: EU-RAM** better visibility in Brussels, office in Brussels (lobby strategy)
Why participating in Horizon 2020?

- Contacts and networks
- Complementary disciplines
- Recruitment of young researchers
- Public relations
- Knowledge, skills, products, markets etc.
- Contributing to European strategy
- Fun
- By the way: funding
- But: always a need for co-funding
- Do you really need a EU-project?
WAGENINGEN WAS SUCCESSFUL IN FP7 (2007-2013)

- Key player in **FP7 550 projects (129 co-ordinations)**
  
  *In total FP7 210 million Euro turnover from EU (112 million DLO, 98 million WU)*

- Very strong in Thematic priorities ‘Food, Agriculture and Fisheries, and Biotechnology (KBBE)’ and ‘ENVIRONMENT’ and in **Marie Curie fellowship**

- **Wageningen success rate >30% co-ordination higher than average (17%)**

- **Wageningen University & Research biggest in the Netherlands, number 12 in Europe**
- Until January 2018 involved in **220 H2020 proposals** (**100 WR, 91 WU, 29 WR+WU: 48 co-ordinations**)

  - **Success rate under pressure**: factor two lower than in FP7

  - In FP7 Food and Agriculture and FP7 Environment between **30-40%** in Horizon 2020 **around 15%** (EU average 10%)

  - In SC2 ‘Food’ Wageningen largest player, success rate **20%**

So Horizon 2020 very competitive: not easy money

Need for **strategic approach** and **very good support**!
Stimulate and coordinate WUR-EU policy dialogue

Relation management with EU institutions in Brussels

Focus on H2020 and related EU programmes

Assist in developing EU-financed research & innovation projects focus Horizon2020

Information & Advice: Focal point for expertise

Leads to more effective acquisition of proposals
Hands-on project support, subsidy experts

- Together with subsidy experts Science Groups
- Guidance from idea up to project execution
- Traditionally focus on FP, but now more and more project support (regional, national, international and H2020 including ERA-nets / JPI, PPP, JU-BBI)
- Transition to Grant Office
WAGENINGEN EU OFFICE: FOCAL POINT FOR EXPERTISE

- Website / f.e. H2020 Portal
- Newsletter
- Advise on funding of project ideas
- Feedback on H2020 proposals (workshops)
- Clearing house best practices, templates, formats, tips & tricks
- Specialists: strategy, legal, financial, reporting etc.
- Courses H2020 (proposal writing, project management, modalities, Marie Curie etc.)
The competitive EU R&D programmes important for our scientific position and visibility and funding

Wageningen many contacts and networks but not well co-ordinated .. rather ad hoc NOT ONE-Wageningen

More complex, interdisciplinary, cross-sectoral programmes

Many actors and DG’s involved in Brussels machinery.

- Different DG’s (RTD, AGRI, ENV, CLIMA, ENERGY, SANTE, GROWTH, REGIONS)
- Member states, EP, PV
- Other stakeholders and networks (industry, NGO’s, sectors, EUA, LERU, EARTO, ATF, FOODFORCE)

EC and several DG’s explicitly asked Wageningen to take our responsibility / to help the EC to implement their policies /ambitions
Concrete activities

Lobby for FP9 2021-2028

At International level:

**High level meetings** in Brussels (*Mansholt meeting*) and vision papers WUR ‘FOODtransitions 2030’

**Dedicated workshops** in Brussels (photosynthesis, CRISPR-CAS)

Contacts with **relevant DGs** (RTD, AGRI, Sante, Connect, Growth, Clima, Environment, Energy, Development)

**International networks** (*ATF, FOODforce, FOODnexus, SCAR, ETP’s, PEER*)

**Align with industry** (*European technology platforms, Dutch topsectors*)
INTERNAL ‘COMPETITION’ WAGENINGEN

- H2020 low success rates
- H2020 broad topics
  - Input / expertise from different angles possible
  - More and more 2-stage submissions
- Coordination asks for high acquisition costs (50 K€)
  - Different approaches within Science groups
  - Coordination at level WR easier than at level WU
- Several examples of competing co-ordinations: many competing participations
- EU office and EU-RAM try to get overview of EU initiatives
NEED FOR MORE COORDINATION WITHIN WUR

1. **Pro-active selection** of **limited number strategic topics** which are in the **core of our strategy**, where we want to be in the lead in Europe (EU-RAM and Board of Directors).
   - **Select coordinator** + team to write winning proposal (One-Wageningen)
   - **Incentive**: some time to do the job, co-financing, and optimal support
   - **No other co-ordinations** within WUR
   - **Discourage participations**

2. For other co-ordinations overview and lighter direction

3. Participations **no strict coordination**... But also overview and more selective!
CURRENT COOPERATION BOKU AND WUR IN FP

Horizon 2020

- **BOKU involved in 40 H2020 projects: seven joint projects** in FOOD and ENVIRONMENT with Wageningen University & Research.
  - Mycotoxins, Food waste, cooperation Africa, animal genetics, social innovation rural areas, biodiversity aquatic systems

- **BOKU involved in 85 FP7 projects: 21 joint projects** mostly in ENVIRONMENT some in FOOD with Wageningen University & research.
Possibilities for cooperation?

- Lobby at national and EU level H2020 and FP9
  - Joining forces in Brussels / ETP ‘Food for Life’ / EP / DG’s etc.
  - ELLS network

- Proposal Development H2020 and FP9 (ELLs)
  - Joint projects (EU and international funding or bilateral projects)
  - Sharing networks / experiences

- Education
Thank you for your attention