

Aarhus
UniversitY

Natural Sciences

Research Evaluation at

Faculty of Natural Sciences,

Aarhus University

SELF-EVALUATION REPORT

CLICK AND INSERT: Department’s name

CLIK AND INSERT: Date

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**Text highlighted in yellow is to be replaced or deleted by the department.**

Remember to update the table of contents.

Remarks and terms of reference

In 2024/2025, Aarhus University conducts a Research Evaluation at departmental level, aiming to support the continued development of local research environments. The starting point for the process is a self-evaluation and viability analysis performed by the department, resulting in a description of the department’s research vision. Both elements feed into a review of the department’s research environment, and advice to the department leadership, by an external panel.

Aarhus University has signed the Agreement on Reforming Research Assessment, and the evaluation process has been designed in line with the core principles of the agreement (cf. evaluation protocol).

The self-evaluation report contains three chapters: “I. The department towards 2030”, “II. The department today”, “III. Analysis of the department’s viability – reflections and perspectives”. Chapter I builds on the analyses in chapter III.

Terms of reference for the external panel

1. To review, and provide advice on, the department’s research vision towards 2030 (chapter I.A).
2. To review the department’s translation of its vision, into ideas for development (chapter I.B), and provide advice, prioritization or rephrasing of the ideas.
3. To critically assess the viability analyses in chapter III, pointing out unexplored opportunities or imbalances in the analysis:
	1. Scientific impact
	2. Societal impact
	3. Prerequisites for impact - the department’s research staff and culture
	4. OTHERS – chosen by department, delete if not relevant.
4. Other important observations and recommendations from the panel

Technical remarks

This report was compiled with at total page limit of 20 pages for chapter I-III. All CVs in appendix 2 were limited to one page each. A separate volume of background information covering, e.g., the Danish research landscape, Aarhus University and the Faculty of Natural Sciences supplements the report.

**Recommended page-limits per chapter: chapter I – 6 pages, chapter II – 4 pages, chapter III – 10 pages.**

If useful, insert a list of abbreviations and acronyms on the next page (max. one page).

1. The department towards 2030
	1. Research vision

Klik eller tryk her for at skrive tekst.

* 1. Ideas for development

Klik eller tryk her for at skrive tekst.

1. The department today
	1. Overview
		1. Key historic events that shaped the department

Klik eller tryk her for at skrive tekst.

* + 1. Research evaluation in 2019 – recommendations and their implementation

Klik eller tryk her for at skrive tekst.

* + 1. Organization and governance

Klik eller tryk her for at skrive tekst.

* + 1. Research areas

Klik eller tryk her for at skrive tekst.

* 1. Research area “A” (duplicate for each Research Area)

Klik eller tryk her for at skrive tekst.

* 1. Interdisciplinary collaboration

Klik eller tryk her for at skrive tekst.

1. Analysis of the department’s viability – reflections and perspectives

Overall guiding question for this chapter:

**With respect to the overall goals described in chapter I.A.:**

* **How are we doing so far?**
* **How can we improve?**

Consider using a SWOT approach. Answers to “How can we improve” should feed into chapter I.B “ideas for development”.

* 1. Dimension 1: Scientific impact

Klik eller tryk her for at skrive tekst.

* 1. Dimension 2: Societal impact

Klik eller tryk her for at skrive tekst.

* 1. Dimension 3: Prerequisites for impact – the department’s research staff and culture
		1. Recruitment and career development

Klik eller tryk her for at skrive tekst.

* + 1. Research culture and collaborative processes

Klik eller tryk her for at skrive tekst.

* + 1. Other topics related to research culture chosen by department (optional)

Delete incl. heading if not relevant!

* 1. Dimension X: Departments own choice (optional)

Delete incl. heading if not relevant!

* 1. Concluding SWOT analysis / summary of viability analyses (optional)

Delete incl. heading if not relevant!

1. References

CLICK AND INSERT: citations from chapter I, II and III.

Example:

|  |  |
| --- | --- |
| **[1]**  | **J. Jensen, »Test«.**  |
| [2]  | S. Smith, »test«.  |

Use bibliography style and citation mode (numeric/by name) according to the standards in the field. Use hyperlinks if possible.

Use bold fond to highlight the department’s own publications (in contrast to other papers, that you e.g., cite when describing the state of the field).

Appendix 1: Quantitative data

All numbers in appendix 1 are specific for the department but will be compiled by the dean’s office. The department will receive the respective data (see below) in due time for cross-check and integration into the report.

An exception are the list of recent recruitments (cf. subchapter 4 below), and potentially additional data e.g. addressing “Dimension X” of the viability analyses in chapter III, which needs to be compiled by the department.

The time series for the data below is 2019-2023 for MATH and CS, and 2019-2024 for all other departments.

* + - 1. **Staff**

*Table 1a: Employees by job category per 31 December (headcount, FTE in brackets)*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Job category1 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| Professor |  |  |  |  |  |  |
| Associate professor / senior researcher  |  |  |  |  |  |  |
| Assistant professor / researcher (tenure track) |  |  |  |  |  |  |
| Assistant professor / researcher  |  |  |  |  |  |  |
| Postdoc |  |  |  |  |  |  |
| PhD student2 |  |  |  |  |  |  |
| Other scientific staff |  |  |  |  |  |  |
|  Scientific staff (subtotal) |  |  |  |  |  |  |
| Part-time academic staff |  |  |  |  |  |  |
| Technical and administrative staff |  |  |  |  |  |  |
| Part-time technical and administrative staff |  |  |  |  |  |  |
|  Total |  |  |  |  |  |  |

Data source: AU HR dashboard

1See background material for a definition of job categories.

2Only PhD students employed at the university are included here.

*Table 1b: Gender distribution of scientific staff (headcount)*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Job category1 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| m | f | %f | m | f | %f | m | f | %f | m | f | %f | m | f | %f | m | f | %f |
| Professor |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Associate professor / senior researcher |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Assistant professor / researcher (tenure track) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Assistant professor /researcher |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Postdoc |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PhD student2 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Other Scientific staff |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Data source: AU HR dashboard

1See background material for a definition of job categories.

2Only PhD students employed at the university are included here.

* + - 1. **Funding**

*Table 2a: Total funding (in T€)*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| Basic funding in total |  |  |  |  |  |  |
| Thereof basic research funds |  |  |  |  |  |  |
| Thereof basic education funds  |  |  |  |  |  |  |
| Thereof other basic funds |  |  |  |  |  |  |
| Income from sales/operations |  |  |  |  |  |  |
| External funding (spending) |  |  |  |  |  |  |
| Overhead from external funding |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |
| % of basic funding in total budget |  |  |  |  |  |  |

Data source: Nat-Tech administration

*Table 2b: External funding*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| Spending on external funding (in T€) |  |  |  |  |  |  |
| Spending on international grants (EU and other foreign grant sources, in T€) |  |  |  |  |  |  |
| Spending on Danish public funding sources (in T€) |  |  |  |  |  |  |
| Spending on Danish private funding sources - foundations (in T€) |  |  |  |  |  |  |
| Spending on Danish private funding sources - companies (in T€) |  |  |  |  |  |  |

Data source: Nat-Tech administration

*Table 2c: Proposal success rates (for grants ≥ 20T€)*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| Number of proposals submitted |  |  |  |  |  |  |
| Number of proposals approved |  |  |  |  |  |  |
| Success rate by number |  |  |  |  |  |  |
| Financial volume of proposals submitted (in T€) |  |  |  |  |  |  |
| Financial volume of grants received (in T€) |  |  |  |  |  |  |
| Success rate by financial volume |  |  |  |  |  |  |

Data source: AU’s ReAp database

*Table 2d: Granted extern funding (T€) by funding source (“top 20”)*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| Innovation Fund Danmark |  |  |  |  |  |  |
| Danish Council for Independent Research - Natural Sciences |  |  |  |  |  |  |
| Osv. |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Other |  |  |  |  |  |  |

Data source: Nat-Tech administration (report PB54)

* + - 1. **Publications**

*Table 3: Publications*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 2019 | 2022 | 2021 | 2022 | 2023 | 2024 |
| Number of peer-reviewed publications  |  |  |  |  |  |  |
| Percentage of peer-reviewed publication with external co-authors1 |  |  |  |  |  |  |
| Percentage of peer-reviewed publications with international co-author(s)2 |  |  |  |  |  |  |
| MNCS3 |  |  |  |  |  |  |
| Pptop 10%4 |  |  |  |  |  |  |

Data source: AU Libary and IMPALA data base

1defined as co-authors not employed at AU

2co-authors with non-Danish affiliation

3mean normalized citation score

4proportion of the department’s publications that, compared with other publications in the same field and in the same year, belong to the top 10% most frequently cited.

Departments not covered in IMPALA may delete the last four lines and corresponding footnotes.

* + - 1. **Recruitment and career development**

For general staff data see Table 1a above.

*Table 4a: Scientific staff recruited to permanent positions since Jan 2019*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name | Research area1 | Job category2 | Starting date | AU  | Employer at time of recruitment |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

Data source: Department administration

1as defined in chapter II.A.4

2as in Table 1a and 1b, see above

*Table 4b: Proportion of international1 permanent scientific staff (per 31 Dec)*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
|  |  |  |  |  |  |

Data source: AU HR dashboard

1defined as employees with non-Danish nationality

*Table 4c: Early career and non-permanent scientific staff*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| Number of enrolled PhD students (headcount per 31 Dec) |  |  |  |  | - |  |
| Number of approved PhD dissertations |  |  |  |  | - |  |
| Number of time-limited academic staff1 per permanent academic staff (headcount per 31 Dec) |  |  |  |  |  |  |
| Ratio between assistant professors (time-limited) and tenure track assistant professor (time un-limited) per 31 Dec |  |  |  |  |  |  |

Data source: AU HR dashboard, GSNS administration (for data on PhD students)

1defined as staff in the following job categories: PhD student, postdoc, assistant professor and scientific assistant (see background material)

*Table 4d: Age distribution of permanent scientific staff per 1 April 2024 (headcount)*

Opdateres med 1.1.2025 data for anden rul af panelbesøg

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Year of Birth | >1995 | 1981-1994 | 1965-1980 | <1964 | total |
| Professor |  |  |  |  |  |
| Associate professor / senior researcher/advisor |  |  |  |  |  |
| Assistant professor |  |  |  |  |  |
| Assistant professor (tenure track) |  |  |  |  |  |

Data source: AU HR dashboard

* + - 1. **Education**

*Table 5: Education*

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 |
| Numbers of students enrolled1 |  |  |  |  |  |  |
| thereof Bachelor |  |  |  |  |  |  |
| thereof Kandidat2 |  |  |  |  |  |  |
| Number of new students admitted1 |  |  |  |  |  |  |
| Thereof Bachelor |  |  |  |  |  |  |
| Thereof Kandidat2 |  |  |  |  |  |  |
| Number of degrees attained |  |  |  |  |  |  |
| Thereof Bachelor |  |  |  |  |  |  |
| Thereof Kandidat2 |  |  |  |  |  |  |

Data source: AU administration

1as of 1 October

2See background material for a definition of degrees

Appendix 2: Scientific Staff (Overview, and CVs incl. key publications)

Before the collection of CVs, provide an overview (table) of all scientific staff whose CV is included here, e.g. by Name – position - termination/estimated retirement date – research area. Details are to be defined by the department.

Include CVs (incl. list of five key publications) for Assistant Professors, Associate Professors, Professors, plus max. ten other members of staff (e.g. staff scientists / career grant holders). Include links to key publications. **Page limit per CV: 1 page (template below)**

**Name**

**PhD year**

**Main research interests: 5 keywords**

**ORCID & Link to personal website**

**Education** (list by year – year, degree, institution, country, supervisor)

19XX-19XX: PhD in Chemistry, AU, DK, Supervisor (incl long research visits, supervisor, university, country)

19XX-19XX: MSc in Chemistry, AU, DK, Supervisor, (incl long research visits, supervisor, university, country)

**Employments** (list by year – year, position/leave of absence, institution, country)

20XX-20XX: For example: Professor in XXXXXXX, Department of Chemistry, AU

20XX-20XX: Include leaves for family reasons

20XX-20XX: Postdoc stays, length, place, supervisor

20XX-20XX:

19XX-20XX:

19XX-20XX:

19XX-20XX:

19XX-20XX:

**Awards and honours** (career grants, awards, special honours etc.)

20XX-20XX:

20XX-20XX:

20XX-20XX:

19XX-20XX:

19XX-20XX:

19XX-20XX:

**Community service** (Your involvement in committees , boards etc. – remember to note the period)

**Teaching and training**

X courses taught, designed X new courses. Training – total number (current in brackets): XX (X) PhD, XX (X) MSc, XX (X) BSc, XX (X) postdocs since year of first student graduated (any level)

**Funding received as PI (5 most important grants)**

20XX-20XX:

20XX-20XX:

20XX-20XX:

19XX-20XX:

19XX-20XX:

Total amount last 10 years: XXX T*€*/Total in career as PI XXX T*€*/Total in career as co-PI: XXX T*€*

**Publication statistics** X peer review publications, Y citations / h-index=Z (WoS, Feb 1st 2019)

**5 Key Publications:**

FA. FirstAuthor… **N.Name**\* *J. Am. Chem. Soc.* **20XX**, YYY,– (**doi:** 10.0000/ journal.jrnl.1000000)

FA. FirstAuthor… **N.Name**\* *J. Am. Chem. Soc.* **20XX**, YYY,– (**doi:** 10.0000/ journal.jrnl.1000000)

FA. FirstAuthor… **N.Name**\* *J. Am. Chem. Soc.* **20XX**, YYY,– (**doi:** 10.0000/ journal.jrnl.1000000)

FA. FirstAuthor… **N.Name**\* *J. Am. Chem. Soc.* **20XX**, YYY,– (**doi:** 10.0000/ journal.jrnl.1000000)

FA. FirstAuthor… **N.Name**\* *J. Am. Chem. Soc.* **20XX**, YYY,– (**doi:** 10.0000/ journal.jrnl.1000000)

Appendix 3: Panel report from 2019 evaluation