Institutional scoring with PURE at the University Medical Center Hamburg-Eppendorf (UKE)

Transparency, Data Quality and Workload

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- PURE live from 2014
- 2600 researcher
  - 1000 active users in PURE
- 77 institutes in 14 centers
  - 1-2 people in charge for scoring per institute
- 2700 Publications per year (32000 in total)
  - 2000 journal articles, reviews and book
- 1000 journals per year in use
- 1100 running projects
  - SAP projects
  - Scholarships
  - Equipment
Scoring of the research output at UKE

- Scoring per year
- Scoring per institute
  - Authors enter publications
  - 1-2 persons per institute for data quality
- 50% by publications
- 50% by projects
- average over the last three years
  - Money 2019 is calculated by scoring results 2015, 2016, 2017
Scoring of publications - Rules

- Status published
  - no publications with status "online first"
- Journal articles, reviews and book
- Calculation by institute > affiliation by author
- UKE-Score per journal per year
  - Calculated by Impact Factor, Categories and Median of Categories
- Calculation
  - 1/3 for the institute of the first author
  - 1/3 for the institute of the last author
  - 1/3 for the institutes of the remaining authors
  - Authors contributed equal, multiple affiliations
UKE Scores of journals

- **JCR-Journals**
  - Calculated by the Impact Factor and Median of categories
  - UKE-Score 2017 publications based on IF 2016
  - At least 2 Points, also for new journals without IF in the first year
  - Download from Thomson Reuters
    - IF for 12500 journals (June, December, February)
    - Mean of the categories (June, December, February)
    - Category files (177) to know the categories of a journal
    - Calculation of the ranking of the journal within a category

- **Non-JCR-Journals**
  - Identifying by report monthly
  - Upload UKE score 2 for scientific journals
# UKE Scores of journals

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<tr>
<th>Journal</th>
<th>Score</th>
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<tr>
<td>NATURE</td>
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<td>SCIENCE</td>
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UKE Scores of books

- Only first editions
- Number of pages

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<td>20</td>
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<td>&gt;200</td>
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UKE Scoring of publications

• Complains
  • Not in the system: Phd students, guest scientists > make internal
  • Affiliations in the publication do not match UKE institutes
  • Online first - 25% of the publications
    • imported by PubMed
    • imported manually
UKE Scoring of projects

- Importing from SAP
- Manually added by administrators
  - scholarship
  - equipment
- Scoring by expenditures in the year and funding
  - Expenditures from SAP (28.2.2018, when year is closed)
  - 3 categories of funding
    - Category 1 (DFG, EU, DLR, Alexander von Humboldt,...) - 1 Point/500 €
    - Category 2 (Bundesministerien,...) - 1 Point/1000 €
    - Category 3 (private industry,...) - 1 Point/2000 €
- Scoring by institute of PI
  - 90% of projects scored automatically
  - Projects can be shared between institutes > manually added
Timeline

• **Publications**
  • Importing during the year
  • E-Mail to head of institutes (January)
    • control reports
    • Closing (End of February)
  • Validating during the year (WOS/PubMed, PDF)

• **Projects**
  • E-Mail to head of institutes (January)
    • Ask for sending scholarship + equipment
    • Ask for projects, shared between institutes
    • control reports

• **When done (May)**
  • E-Mail to the head of institutes > final reports
  • Result of scoring to the administration
Conclusion

- Scoring is a lot of work
- Excellent data quality
- > 97% Journal articles
- Highly accepted
  - Due to the money for institutes
  - Project and publication lists on the website
  - Workgroups are mapped for scoring and website output