





# **NRF-Nuffic Doctoral Scholarships Framework**

Directorate: Human and Infrastructure Capacity

Development (HICD)

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#### 1. Background

South Africa aspires to produce more doctoral graduates as a means of increasing its global competitiveness, high-level research skills and knowledge production. One way to achieve this is by creating international partnerships and networks between scientists and research institutions, with a focus on training doctoral students. The National Research Foundation (NRF) of South Africa has a mandate to promote and support research through funding, human capital development and the provision of the necessary research infrastructure. In order to realise this mandate, the NRF has made a substantial commitment and investment towards supporting the next generation of researchers to intensify and strengthen African and global networks.

In recognition of the long standing collaboration between South Africa and the Netherlands in education and research, and with the ambition to strengthen postgraduate training while enhancing sustainable collaboration between South African and Dutch higher education institutions (HEIs), an agreement was signed in 2017 between the NRF and Nuffic (Netherlands organisation for internationalisation in education represented locally in South Africa by Nuffic's Netherlands Education Support Office). This agreement is an *implementing* arrangement under the Memorandum of Understanding on cooperation in the fields of science and technology between the governments of South Africa and the Netherlands (2015).

Some of the relevant highlights of the cooperation between South Africa and the Netherlands include the South Africa Netherlands Research Programme on Alternatives in Development (SANPAD), that ran from 1997 to 2013 and the Desmond Tutu Training Programme (DTTP) that commenced in 2009. The DTTP was jointly established by the NRF and Vrije University Amsterdam (VUA) to enable the training of doctoral candidates under the supervision of the VUA researchers and their South African counterparts. Following the signing of individual agreements between VUA and several South African universities, the awarding of joint doctoral degrees in South Africa was made possible. Eleven South African universities namely, Stellenbosch University; North-West University; and the Universities of the Western Cape; Cape Town; Pretoria; South Africa; Witwatersrand, Free State; KwaZulu-Natal; and Johannesburg have collaborative agreements with VUA for postgraduate training in place.

Through this partnership between the NRF and Nuffic, doctoral scholarships will be provided for South African citizens and permanent residents to study full-time in the Netherlands (i.e. single site mode). Institutional level agreements between Dutch HEIs and Partner Institutions

in South Africa to enable **full-time** joint doctoral degrees will also be supported (i.e. split site mode).

The roles of the NRF and Nuffic are described in detail in the Memorandum of Agreement (MoA). Briefly, the NRF bears responsibility for the implementation of the scholarship programme, through *inter alia* publishing the call and managing the application and selection processes. Nuffic will act as the coordinator between the Dutch HEIs¹ and the NRF, to promote the programmes among various stakeholders and facilitate links between researchers in the two countries. This framework document may be amended periodically to ensure synergy with the NRF and Nuffic postgraduate funding policies.

### 2. Objectives

The objectives of this funding instrument are to:

- Strengthen cooperation and internationalisation between Dutch HEIs and Partner Institutions in South Africa through joint supervision of South African doctoral candidates;
- Foster sustainable institutional collaboration between South African and Dutch HEIs, contributing to the bilateral research agendas;
- Promote and advance science, research and innovation;
- Support the development of a critical mass of globally competitive knowledge-workers in South Africa in prioritised areas;
- Contribute towards increasing the number and quality of South African postgraduate students in all areas of Science, Engineering, Technology, the Social Sciences and Humanities; and
- Effect transformation in the percentage representation of postgraduate students from designated groups, namely black, female and persons with disabilities.

### 3. Doctoral Training Modalities

The two modalities of doctoral training that will be funded are (i) full-time doctoral studies at a Dutch HEI, referred to as the single site mode, and (ii) full-time doctoral studies jointly

<sup>&</sup>lt;sup>1</sup> See Annexure 1 for a list of participating Dutch Higher Education Institutions.

developed and implemented by a Dutch HEI and a Partner University in South Africa, referred to as the split-site mode and resulting in a joint degree<sup>2</sup> from the partner institutions.

#### 4. Areas of Support

The scholarship is intended to support doctoral candidates to pursue research studies in all areas of Science, Engineering Technology, the Social Sciences and Humanities, including Priority Research Areas, at universities in participating countries. The percentage of supported students will be 80% from the Science, Technology, Engineering and Mathematics (STEM) disciplines and 20% from the Social Sciences and Humanities, in line with South Africa's National Development Plan. Preference will also be given to applications to obtain a doctoral degree in a vulnerable discipline such as Statistics, Mathematics and Nursing, emerging research areas or where there exists a paucity of research infrastructure and/or suitably qualified supervisors in South Africa.

#### 5. Eligibility

#### 5.1. Institution and Supervisor Eligibility

To be eligible to participate in this doctoral training initiative, participating institutions and supervisors must meet the following requirements:

- Dutch HEIs will waive tuition fees or in the case that a tuition fee applies, this will not be charged to the NRF or the individual scholarship awardee;
- Dutch HEIs will provide research running costs (i.e. costs that can reasonably be expected to accrue during the course of the doctoral research period) and access to research infrastructure;
- Doctoral supervisory capacity must be in place at both the Dutch HEIs and the South African Partner Institution, in the case of joint degrees;
- Supervisors must commit to evaluate the academic suitability of the applicant and endorse the research proposal (including timeframes) before the application is submitted to the NRF for merit review. Supervisors may do this through email

<sup>&</sup>lt;sup>2</sup> A joint degree in this context refers to a single doctoral degree awarded by joint decision of the Dutch HEI and Partner University in South Africa at the successful completion of a jointly defined and entirely shared doctoral study programme. This means that all Participating Institutions are responsible for the entire programme and not just their own separate parts. The offering of joint degrees is limited to institutions with existing Memoranda of Agreement for joint degrees.

- correspondence with the applicant and *via* other electronic media such as Skype or video conferencing;
- Supervisors must submit a letter of support indicating that the necessary research
  infrastructure, resources and funds for undertaking the research and supporting the
  doctoral student exists within their faculty/school/department. Supervisors may only
  support one (1) applicant per project each year;
- In the case of a joint doctoral degree;
- A Memorandum of Agreement between the Dutch HEI and the Partner University in South Africa in respect of awarding joint degrees must be in place. Where such an agreement does not exist, a template for a generic Memorandum of Understanding (MoU) may be requested from the NRF. Both institutions will still need to develop a detailed agreement for specific programmes undertaken under this MoU;
  - Supervisors must also provide confirmation of a collaborative research project including a plan for co-supervision and mobility visits for the duration of the four (4)-year doctoral study.

#### 5.2. Applicant Eligibility

To be eligible, applicants must:

- Be South African citizens or permanent residents with a South African ID number, although South African citizens will be prioritised;
- Not hold this scholarship concurrently with any other NRF or South African/Netherlands government scholarship;
- Be intending to pursue full-time doctoral studies in the 2019 academic year; and
- Not hold full-time salaried employment during the tenure of the award.

### 6. Application Process

Applications for funding in 2019 must be submitted through the NRF Online Submission System at <a href="https://nrfsubmission.nrf.ac.za/">https://nrfsubmission.nrf.ac.za/</a>. Further instructions on the application process are available in the NRF-Nuffic Doctoral Scholarships Application and Funding Guide for 2019 which must be read in conjunction with this framework document.

#### 7. Attachments

Applicants will be required to attach the following documents, in PDF format:

- Certified copy of identity document. or proof of South African permanent residence (if applicable);
- Certified academic record or, in the case of applicants with outstanding fees owed to the
  university, an official (i.e. stamped and signed) statement confirming that the transcript is
  not issued due to outstanding fees owed to the university;
- Proof of prior funding by the National Student Financial Aid Scheme (NSFAS or University Financial Aid;
- Provisional letter of acceptance for doctoral studies at the Dutch HEI and South African university in the case of a joint degree; and
- A medical certificate from applicants with disabilities, specifying the nature of the disability.

#### 8. Selection Criteria

Applications will be adjudicated by a virtual review panel consisting of South African and Dutch experts in the various fields, which may include representatives of The Netherlands Organisation for Scientific Research (NWO), the Dutch National Research Council and Nuffic. The selection of successful candidates will be informed by the merit review, priority areas for doctoral training, NRF equity targets and financial need. Financially needy applicants will be those who were previously funded by the National Student Financial Aid Scheme (NSFAS) and/or University Financial Aid. This does not exclude applicants who were not previously funded by NSFAS and/or University Financial Aid from receiving postgraduate funding from the NRF. The following will be considered in evaluating all applications in a competitive merit review process (see Table 1 for the scorecard):

- Academic merit;
- Completion time for previous degree;
- Track record or research outputs;
- Priority research areas;
- Originality of the doctoral study; and
- Potential impact of the research.

Table 1: Scorecard for the assessment of applications for Doctoral Scholarships

| Criteria                            | Description  | Weight |
|-------------------------------------|--|--------|
| Academic merit*                     | Percentage mark for the master's degree if completed; OR if the master's degree is in progress, Average percentage mark for the honours degree; OR Average percentage mark for major subjects in the final year of a four-year undergraduate degree. | 30%    |
| Completion time for previous degree | Time taken for completion of the master's degree.  | 15%    |
| Track record or research outputs    | Evidence of research outputs in accredited peer-reviewed publications and, presentations at conferences/symposiums.  | 15%    |
| Priority research area              | Research aligned with one of the NRF listed research priority areas.   | 10%    |
| Originality of the doctoral study   | Problem statement, Identified knowledge gaps, Aim and Objectives of the study.   | 20%    |
| Potential impact of the research    | Potential to contribute to national research strategies and the strategic goals of the knowledge economy.  | 10%    |
|                                     |  | 100    |

<sup>\*</sup>Students who simply received a "Pass" and were not allocated a percentage pass mark will be given a default score of 1.

Selection criteria will include academic merit, financial need, a strong motivation for studying abroad, research ability, leadership qualities (as articulated in the applicant's personal profile), previous awards, prizes and honours. It is also based on the feasibility and merit of the applicant's research project proposal. The scorecard to be used in the assessment of all applications is presented in Table 1 above.

### 9. Scholarship Details

The scholarships are designed for students enrolled in a full-time, four (4)-year doctoral degree in either single or split site mode. The Dutch HEI will waive tuition, provide research running costs<sup>3</sup> and access to research infrastructure. Costs that will be covered by the NRF are detailed in Tables 2 and 3 below and are in alignment with NRF scholarships and bursaries which may be adjusted from time to time. With respect to the single site mode, the NRF

<sup>&</sup>lt;sup>3</sup> Research running costs refer to costs that can reasonably be expected to accrue during the course of the research period.

provides an economy airfare for the student, valid for not more than one (1) year, to and from the Netherlands and, the scholarship value for subsistence and health insurance based on minimum requirements set by the Dutch government. A maximum budget of €21 600 per annum has been allocated for international visits in the split site mode. Students and supervisors must jointly agree on the frequency and duration of the international visits over the four (4)-year period of study, within the amount budgeted.

Table 2: Scholarship values for NRF-Nuffic Doctoral Scholarships in the Netherlands (single site mode)

| Amount (€) <sup>4</sup> |            |            |            |            |              |
|-------------------------|------------|------------|------------|------------|--------------|
|                         | Year 1     | Year 2     | Year 3     | Year 4     | Grand Total  |
| Scholarship             | 15 000     | 15 000     | 15 000     | 15 000     | 60 000       |
| (subsistence including  |            |            |            |            |              |
| accommodation)          |            |            |            |            |              |
| Mobility⁵ (including    | 2 410      | 1 310      | 1 310      | 2 110      | 7 140        |
| airfare, visa and       |            |            |            |            |              |
| medical insurance)      |            |            |            |            |              |
| Total                   | 17 410     | 16 310     | 16 310     | 17 110     | 67 140       |
|                         | (R261 150) | (R244 650) | (R244 650) | (R256 650) | (R1 007 100) |

Table 3: Scholarship values for NRF-Nuffic Doctoral Scholarships in the Netherlands and South Africa (split site mode)

| Amount (€)                       |                         |            |            |            |                    |
|----------------------------------|-------------------------|------------|------------|------------|--------------------|
|                                  | Year 1                  | Year 2     | Year 3     | Year 4     | <b>Grand Total</b> |
| Local South African              | 7 500                   | 7 500      | 7 500      | 7 500      | 30 000             |
| Scholarship                      |                         |            |            |            |                    |
| Mobility <sup>6</sup> (including | 5 400                   | 5 400      | 5 400      | 5 400      | 21 600             |
| airfare, accommodation,          | airfare, accommodation, |            |            |            |                    |
| visa, medical insurance          |                         |            |            |            |                    |
| & subsistence)                   |                         |            |            |            |                    |
| Total <sup>7</sup>               | 12 900                  | 12 900     | 12 900     | 12 900     | 51 600             |
|                                  | (R193 500)              | (R193 500) | (R193 500) | (R193 500) | (R774 000)         |

<sup>&</sup>lt;sup>4</sup> All costs are based on figures provided by the Dutch Immigration and Naturalisation Service (IND). Figures will be updated on an annual basis.

<sup>&</sup>lt;sup>5</sup> €800 for airfare is paid in year 1 and 4, €300 to cover the visa cost is paid only in year 1 and €1 300 for medical insurance is paid annually.

<sup>&</sup>lt;sup>6</sup> Note that although the allocation for mobility is presented annually in the table, successful applicants have flexibility on when and how often to travel up to the capped amount of €21 600 per annum.

<sup>&</sup>lt;sup>7</sup> The Rand value is determined at time of the processing of the award as the exchange rate may fluctuate.

All Scholarship-holders with disabilities may apply for additional funding for an assistive technology device of up to **R20 000**. This is the maximum amount permitted during the tenure of the scholarship. As defined by the Individuals with Disabilities Education Act Amendments of 1997 (IDEA), an assistive technology device is "any piece of equipment, or product system, that is used to increase, maintain, or improve functional capabilities of individuals with disabilities".

#### 10. Award Principles

The scholarship is awarded through an annual grant from the Department of Science and Technology (DST) of South Africa. Given the need to transform the researcher cohort in South Africa, the Minister of Science and Technology has outlined the demographic targets for the allocation of all scholarships.

Postgraduate bursaries across the NRF are allocated as follows:

- 87% South African citizens and permanent; and
- 5% Students from the Southern African Development Community (SADC)
- 4% Students from the rest of the African continent; and
- 4% Students from countries outside Africa.

The set equity targets with respect to **race**, **gender and disability** for South African citizens are as follows:

- 80% Black (African, Coloured and Indian)
- 55% Women (African, Coloured Indian and White); and
- 4% Students living with a disability.

The application of the Ministerial guidelines is underpinned by excellence in all its dimensions. For this Call, applicants must be South African citizens or permanent residents, however South African citizens will be prioritised.

#### 11. Conditions of Award

Successful applicants who are offered bursaries by the NRF are required to complete and sign the student agreement (Conditions of Grant) that will be forwarded at the time of the award. Successful candidates studying in the Netherlands (in single site mode) will in addition be

required to give a written undertaking to return to South Africa upon completion of the doctoral studies abroad.

A list of successful candidates will be published on the NRF website as soon as the internal NRF approval processes have been finalised. The scholarship holder must obtain the degree for which the scholarship was awarded by the contractual date, which is within one (1) year after NRF funding has ceased and notify the NRF *via* the relevant university authority, unless otherwise approved by the NRF in writing.

#### 12. Reporting

For continuous funding and monitoring of the funding instrument, the scholarship holders will be required to submit Progress Reports (PRs) in a format provided by the NRF, against deliverables as outlined in the application form and the signed NRF Scholarship Agreement. The NRF will release funds for continuing students, subsequent to the submission of the PR. The NRF may, in consultation with the grant-holder's research office or relevant university authority, request interim progress reports for the purpose of implementing corrective measures timeously to ensure that the stated objectives are met within the stipulated timeframes.

The NRF standard practice is to support all eligible continuing students, aligned to the NRF maximum period of support for the level of study, in order to enable them to complete their postgraduate degree.

#### 13. Financial Control

The financial administration of the scholarship is performed through the NRF Grants Management and System Administration (GMSA) Directorate. Students that will be registered at a Dutch HEI (i.e. the single site mode) only, will receive their award directly into their student account upon submission of the required written confirmations to the NRF. Scholarship holders on the joint degree programme (i.e. split site mode) will have their funds administered by the South African institution to the value of the full sum awarded by the NRF. Scholarships not taken up within six (6) months of the award will be cancelled for reallocation, unless otherwise approved by the NRF.

## **Annexure 1: Participating Dutch Higher Education Institutions**

| Institution         | Field of Study / Faculty  | Contact person/supervisor | Contact Details          |
|---------------------|---|---------------------------|--------------------------|
| 1. Vrije University | Medical microbiology  | Wilbert Bitter            | w.bitter@vumc.nl         |
| Amsterdam           | Health Science, Infectious Diseases/Metabolomics of   | Marceline van Furth       | am.vfurth@vumc.nl;       |
|                     | tuberculous/Meningitis  | M. van der Kuip           | m.vanderkuip@vumc.nl     |
|                     | Biosolar cells/ Biophysics of photosynthesis  | Raoul Frese               | r.n.frese@vu.nl          |
|                     | Governance/Organizational change/financial management   | Rob van Eijbergen         | r.van.eijbergen@vu.nl    |
|                     | Renewable energy-heatlhcare commercialization and tech development  | Bart Bossink              | b.a.g.bossink@vu.nl      |
|                     | Religious traditions and socio-cultural identities/Leadership in religious traditions/Reconciliation  | Eduardus Van der Borght   | eajg.vander.borght@vu.nl |
|                     | Water management, Resource Economics, Spatial Economics   | Erik Ansink               | j.h.ansink@vu.n          |
|                     | Theoretical Biophysics/Machine Learning applied to Biology  | Greg Stephens             | g.j.stephens@vu.nl       |
|                     | Religion and Theology   | Ruard Ganzevoort          | r.r.ganzevoort@vu.nl     |
|                     | Postcolonial Postapartheid Historiography/Interdisciplinary research at intersection of Art, Performing art, history, critical thought/ Museology | Susan Legêne              | s.legene@vu.nl           |
|                     | Philosophy of Religion/Philosophy of Culture and Intercultural Philosophy/Contemporary Continental Philosophy                                     | Willem van der Merwe      | w.l.vander.merwe@vu.nl   |
|                     | Organization Sciences   | Frans Kamsteeg            | frans.kamsteeg@vu.nl     |
|                     | Private wildlife conservation, Human-animal studies, Gender studies   | Harry Wels                | h.wels@vu.nl             |
|                     | persons with intellectual disabilities, social relations and or atachment; persons with visual impairments  | Paula Sterkenburg         | p.s.sterkenburg@vu.nl    |
|                     | Artificial intelligence   | Koen Hindriks             | k.v.hindriks@vu.nl       |
|                     | Mathematics (pure and applied)  | Andre Ran                 | a.c.m.ran@vu.nl          |
|                     | Biophysics of Photosynthesis  | Rienk van Grondelle       | r.van.grondelle@vu.nl    |
|                     | Earth & Climate   | Gerald Ganssen            | g.m.ganssen@vu.nl        |
|                     | Water governance, climate governance, policy dynamics, learning & innovation.   | Dave Huitema              | dave.huitema@ivm.vu.nl   |
|                     | Molecular Cell Physiology   | Remco Kort                | r.kort@vu.nl             |
|                     | Econometrics and Operations Research  | Harold Houba              | harold.houba@vu.nl       |

| Environmental Economics                                   | M. Hofkes               | m.w.hofkes@vu.nl           |
|---|-------------------------|----------------------------|
| Artificial intelligence                                   | K. Schlobach            | k.s.schlobach@vu.nl        |
| Earth & Climate   | F. Peeters              | f.j.c.peeters@vu.nl        |
| Criminology-Law   | Annelies Verdeveldt     | a.vredeveldt@vu.nl         |
| Logistics and Supply Chain                                | Wout Dullaert           | w.e.h.dullaert@vu.nl       |
| Innovation, Logistics and Information                     | Roberto Roberti         | r.roberti@vu.nl            |
| Political history   | Susan Legene            | s.legene@vu.nl             |
| African studies, History                                  | Bouges Barrymore        | barrymore bogues@brown.edu |
| Spatial Economics; environmental economics                | Carolyn Fischer         | c.fischer@vu.nl            |
| Spatial Economics   | Erik Verhoef            | e.t.verhoef@vu.nl          |
| Policy evaluation   | B. van der Klaauw       | b.vander.klaauw@vu.nl      |
| Child studies   | Jaap Oosterlaan         | j.oosterlaan@vu.nl@vu.nl   |
| Phenomenology, Hermeneutics, Feminist Philosophy          | Annemie Halsema         | j.m.halsema@vu.nl          |
| EU and International Law                                  | Galina Cornelisse       | g.n.cornelisse@vu.nl       |
| Chemistry   | Matthias Bickelhaupt    | f.m.bickelhaupt@vu.nl      |
| Neonatology   | Mirjam van Weissenbruch | M.vanWeissenbruch@vumc.nl  |
| Environment and Health/Chemistry                          | Jacob de Boer           | jacob.de.boer@vu.nl        |
| Politics of Transnational Law                             | Wouter Werner           | w.g.werner@vu.nl           |
| Constitutional and Administrative Law                     | Frank van Ommeren       | f.j.van.ommeren@vu.nl      |
| Clinical, Neuro and Developmental Psychology              | Pim Cuijpers            | p.cuijpers@vu.nl           |
| Clinical, Neuro- and Developmental Psychology             | Marit Sijbrandij        | e.m.sijbrandij@vu.nl       |
| Philosophy (Epistemology & Metaphysics)                   | René van Woudenberg     | R.van.Woudenberg@vu.nl     |
| Linguistics and Cognition, English Literature             | Alan Cienki             | a.cienki@vu.nl             |
| History of State Building in Global Perspective           | Marjolein 't Hart       | m.c.t.hart@vu.nl           |
| sports and exercise science and medicine, health &        | Willem van Mechelen     | w.vanmechelen@vumc.nl      |
| safety in sports  |                         |                            |
| sports and exercise science and medicine, health &        | Evert Verhagen          | e.verhagen@vumc.nl         |
| safety in sports  |                         |                            |
| Development of the history of the profession and identity | Anja Swennen            | j.m.h.swennen@vu.nl        |
| of teacher educators                                      |                         |                            |
| Communication Science                                     | Tilo Hartmann           | t.hartmann@vu.nl           |
| Gender - Diversity, Ethnography, Critical Discourse       | Ida Sabelis             | i.sabelis@vu.nl            |
| Analysis  |                         |                            |
| Qualitative Social Research, Cultural Anthropology,       | Lorraine Nencel         | I.s.nencel@vu.nl           |
| Gender and Sexuality                                      |                         |                            |
| Higher education policy, university governance, human     | Sandra Hasanefendic     | s.hasanefendic@vu.nl       |
| resources in science and technology, academic mobility,   |                         |                            |
| internationalization in higher education                  | D                       |                            |
| Entrepreneurship and innovation, science and business     | Peter van der Sijde     | p.c.vander.sijde@vu.nl     |
| innovation  |                         |                            |

|                         | Photoconversion, solar energy-Faculty of Sciences  | Elizabeth von Hauff        | e.l.von.hauff@vu.nl                |
|-------------------------|--|----------------------------|------------------------------------|
|                         | Faculty of Social Sciences   | Kees Boersma               | f.k.boersma@vu.nl                  |
|                         | Higher Education research and specifically in Postgraduate Supervision Policies & Practices.   | Henk van den Heuvel        | henk.vanden.heuvel@vu.nl           |
| 2. Utrecht              | Law/Economics/Goverance  | Caspar de Bok              | c.debok@uu.nl                      |
| University              | University Medical Center Utrecht, Julius Center for Health Sciences and Primary Care: Epidemiology, Public and Global Health/Cardiovascular Disease/HIV/Integrated Chronic Care/Maternal and Child Health   | Kerstin Klipstein-Grobusch | k.klipstein-grobusch@umcutrecht.nl |
|                         | University Medical Center Utrecht, Julius Center for Health Sciences and Primary Care: Clinical Epidemiology, Clinical Trials, Cardiovascular Disease  | Diederick E. Grobbee       | d.e.grobbee@umcutrecht.nl          |
| 3. University of Twente | Food security, Monitoring agricultural lands and crops using Earth observations / Biodiversity, Mapping and modeling Savanna vegetation and their properties using Earth observations / Environment, Monitoring dynamics of green cover of national parks using Earth observations | Roshanak Darvishzadeh      | r.darvish@utwente.nl               |
|                         | Water resources assessments/Climate and land use changes and Water/Food production and water   | Tom Rientjes               | t.h.m.rientjes@utwente.nl          |
|                         | Geoinformatics, big geodata and machine learning/Cartography and geovisual analytics/Agriculture, environmental sciences, smart cities   | Raul Zurita-Milla          | r.zurita-milla@utwente.nl          |
|                         | Computer Science/Data Science/Networked computer systems   | Maarten van Steen          | m.r.vansteen@utwente.nl            |
|                         | Spatial Statistics/Image Analysis/Health Geographics   | Alfred Stein               | a.stein@utwente.nl                 |
|                         | Spatial Agriculture and Food Security  | Andy Nelson                | a.nelson@utwente.nl                |

| 4. International     | Private Sector & Development                               | Peter Knorringa      | knorringa@iss.nl          |
|----------------------|--|----------------------|---------------------------|
| Institute for Social | Development studies  | Wil Hout             | hout@iss.nl               |
| Studies - Erasmus    |  |                      |                           |
| University           |  |                      |                           |
| Rotterdam            |  |                      |                           |
|                      | International law, human rights, child rights              | Karin Arts           | arts@iss.nl;              |
|                      | Development economics, economics of health and             | Arjun Singh Bedi     | bedi@iss.nl               |
|                      | education, econometrics                                    |                      |                           |
|                      | International economics, macroeconomics, international     | Peter van Bergeijk   | bergeijk@iss.nl           |
|                      | trade, economic sanctions                                  |                      |                           |
|                      | Land issues and agriculture, peasant movements             | Saturnino Borras Jr. | borras@iss.nl             |
|                      | Public policy, development ethics, human development       | Des Gasper           | gasper@iss.nl             |
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|                      |  |                      |                           |
|                      |  |                      |                           |
|                      | Environment and ecology, gender                            | Wendy Harcourt       | harcourt@iss.nl           |
|                      | Conflict and post-conflict settlements, disasters,         | Thea Hilhorst        | hilhorst@iss.nl           |
|                      | governance   |                      |                           |
|                      | Population studies, demography, health, qualitative        | Inge Hutter          | hutter@iss.nl             |
|                      | research techniques  |                      |                           |
|                      | Development economics, conflict and peace, resource        | S. Mansoob Murshed   | murshed@iss.nl            |
|                      | dynamics   |                      |                           |
|                      | Feminist economics, ethics and economic philosophy,        | Staveren, Irene van  | staveren@iss.nl           |
|                      | social development   |                      |                           |
| 5. Leiden            | Mathematics  | Marcel de Jeu        | mdejeu@math.leidenuniv.nl |
| University           | African History  | Jan-Bart Gewald      | Gewald@ascleiden.nl       |
| 6. Delft University  | Policy Analysis/Humanitarian Aid/Resilience                | Bartel Van de Walle  | b.a.vandewalle@tudelft.nl |
| of Technology        | Bioinformatics/Microbial/Bacterial genomics/Infectious     | Thomas Abeel         | t.abeel@tudelft.nl        |
|                      | disease  |                      |                           |
|                      | Medical devices for surgery/Training systems for           | Jenny Dankelman      | j.dankelman@tudelft.nl    |
|                      | minimally invasive techniques/Improving patient safety     |                      |                           |
| 7 0 1                | in the operating room                                      |                      |                           |
| 7. Radboud           | Radio Astronomy  | Heino Falcke         | h.falcke@astro.ru.nl      |
| University           | Community-based natural resource management and            | Marja Spierenburg    | i.rieu@science.ru.nl      |
|                      | protected areas//Land reform/Social protection             | Ivo Rieu             | i riou@agianga ru nl      |
|                      | Plant Ecology and Physiology/Biology/Environmental Science | IVO Rieu             | i.rieu@science.ru.nl      |
|                      | Business Economics: Innovation and Entrepreneurship        | Joris Knoben         | j.knoben@fm.ru.nl         |
|                      | in Business Economics. Innovation and Entrepreneurship     | Jons Knoben          | J.KIIODEITWIII.IU.III     |
|                      | Tin business Ecosystems (with a rocus on start-ups)        |                      |                           |

| 8. Maastricht<br>University | HIV prevention, PrEP, HIV treatment as prevention, HIV treatment adherence/Self Regulation models in Healthcare, regret, counterfactual thoughts/Bystander intervention, helping behavior   | Kai Jonas                      | kai.jonas@maastrichtuniversity.nl         |
|-----------------------------|---|--------------------------------|---|
|                             | Public Health and Health Promotion/Planned Behavior Change and Intervention Mapping/Applied Psychology  | Rob Ruiter                     | r.ruiter@maastrichtuniversity.nl          |
|                             | Statistics in Psychology/Health/Medicine  | Prof. dr. Gerard van Breukelen | gerard.vbreukelen@maastrichtuniversity.nl |
|                             | Occupational health and well-being/Work stress and recovery from work stress/workplace health interventions   | Ute Hulsheger                  | ute.hulsheger@maastrichtuniversity.nl     |
|                             | Health promotion/Behavior change/eHealth  | Rik Crutzen                    | rik.crutzen@maastrichtuniversity.nl       |
|                             | Cognitive neuroscience/Sensorimotor processing/<br>Chronic pain   | Amanda Kaas                    | a.kaas@maastrichtuniversity.nl            |
|                             | Social Sciences/Psychology/Auditory Neuroscience  | Lars Riecke                    | I.riecke@maastrichtuniversity.nl          |
|                             | Empowering for health: Time perspective, psychological capital (hope, optimism, efficacy, resilience), and health behaviors/Health promotion/health education in a topic of the candidate's own choosing/(Applied) Social psychology & social problems. | Karlijn Massar                 | karlijn.massar@maastrichtuniversity.nl    |
|                             | Eyewitness memory/Police practise in South Africa/Alibis  | Melanie Sauerland              | melanie.sauerland@maastrichtuniversity.nl |
|                             | Face recognition/Slow motion video's and racial bias/Eyewitness identification procedures   | Anna Sagana                    | anna.sagana@maastrichtuniversity.nl       |
|                             | Sustainable Development/Sustainability Science/Climate change/Biodiversity/Urban Ecology/Human-animal relationships   | Pim Martens                    | p.martens@maastrichtuniversity.nl         |
|                             | MRI Physics (image acquisition and reconstruction)/Electrical engineering (signal processing)/Electrical engineering (signal processing)  | Benedikt A Poser               | benedikt.poser@maastrichtuniversity.nl    |
|                             | A mental health monitor for children and adolescents in South Africa  | Prof Peter Muris               | peter.muris@maastrichtuniversity.nl       |
| 9. Groningen<br>University  | Faculty of Science and Engineering - Biological Rhythms, Urbanization, avian Biology  | Prof. Barbara Helm*            | b.helm@rug.nl                             |
|                             | Faculty of Science and Engineering - Graduate School  | Ika Neven                      | i.a.neven@rug.nl                          |
|                             | Faculty of Science and Engineering - Internationalization policy  |                                | I.ten.velde@rug.nl                        |
|                             | Economics & Business, Philosophy, Spatial Sciences, Theology & religion, Behavioural & Social Sciences, Law, Arts   | Mr Erik Haarbrink              | e.j.haarbrink@rug.nl                      |

|                | The conferment of the Parish Conference of the C | I F                             | 1 - t   |
|----------------|--|---------------------------------|---|
|                | University Medical Center Groningen: Biomedical  | Joyce Fongers                   | <u>i.e.fongers@rug.nl</u>                         |
|                | Research/Public Health/Health  |                                 |   |
|                | Psychology/Epidemiology  |                                 |   |
| 10. Wageningen | Wildlife Conservation/Animal Ecolog/Savanna Ecology  | Frank van Langevelde            | frank.vanlangevelde@wur.nl                        |
| University     | Chemical stress ecology/Integrated Pest  | Paul van den Brink              | paul.vandenbrink@wur.nl                           |
|                | management/Aquatic ecosystems  |                                 |   |
|                | Climate-resilient development pathways/Adaptive water  | Saskia Werners                  | saskia.werners@wur.nl                             |
|                | management/Hydro-climatic information services   |                                 |   |
|                | Science: Regenerative agriculture / Social Science:  | Coen Ritsema                    | Coen.Ritsema@wur.nl                               |
|                | Impact of landscape restoration on Social and financial  |                                 |   |
|                | capital and inspiration  |                                 |   |
| 11. Erasmus    | Dept Biochemistry  | Dr Tokameh Mahmoudi             | t.mahmoudi@erasmusmc.nl                           |
| Medical Centre | Epidemiology & Health Sciences   | A. Ikram and M.Hunink           | m.hunink@erasmusmc.nl;                            |
|                | 1 37   |                                 | m.a.ikram@erasmusmc.nl                            |
|                | Immunology   | C. Schliehe;                    | c.schliehe@erasmusmc.nl; p.katsikis@erasmusmc.nl; |
|                | , , ,  | P. Katsikis;                    | s.erkeland@erasmusmc.nl;                          |
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|                |  | A. Langerak;                    |   |
|                |  | M. Versnel                      |   |
|                | Medical Microbiology & Infectious Diseases   | A. Verbon;                      | a.verbon@erasmusmc.nl;                            |
|                | modical microscopy of microscop 2.000000   | J.W. Mouton;                    | j.mouton@erasmusmc.nl;                            |
|                |  | J.L. Nouwen;                    | j.l.nouwen@erasmusmc.nl;                          |
|                |  | W.W.J. van de Sande-Laureijssen | w.vandesande@erasmusmc.nl;                        |
|                | Neurosciences  | C.I. de Zeeuw                   | c.i.dezeeuw@erasmusmc.nl;                         |
|                |  | M. Schonewille                  | m.schonewille@erasmusmc.nl                        |
|                | Pediatrics   | D. Tibboel                      | d.tibboel@erasmusmc.nl; m.vandijk.3@erasmusmc.nl  |
|                | T Galatiloo  | M. van Dijk                     | diaboot ordernoini, inivariația o ordernoini      |
|                | Dept Public Health   | Dr Jan Hontelez                 | j.hontelez@erasmusmc.nl                           |
|                | Radiation Oncology   | L. Incrocci;                    | l.incrocci@erasmusmc.nl;                          |
|                | Tradiation Oncology  | G. van Rhoon;                   | g.c.vanrhoon@erasmusmc.nl;                        |
|                |  | B. Heijmen;                     | b.heijmen@erasmusmc.nl;                           |
|                |  | M.S. Hoogeman;                  | m.hoogeman@erasmusmc.nl;                          |
|                |  | M. Paulides;                    | m.paulides@erasmusmc.nl;                          |
|                |  | S.F. Petit;                     | s.petit@erasmusmc.nl;                             |
|                |  | S. Breedveld;                   | s.breedveld@erasmusmc.nl;                         |
|                |  | M.E.M.C. Christianen            | m.christianen@erasmusmc.nl                        |
|                | Virology   |                                 | m.koopmans@erasmusmc.nl;                          |
|                | Virology   | M.P.G. Koopmans;                |   |
|                |  | R.A.M Fouchier;                 | r.fouchier@erasmusmc.nl; c.boucher@erasmusmc.nl;  |
|                |  | C.A.B. Boucher;                 | d.vandevijver@erasmusmc.nl                        |
|                |  | D.A.M. van de Vijver            |   |

| 12. Academic  | Cariology   | Hans (J) de Soet    | J.d.Soet@acta.nl    |
|---------------|---|---------------------|---------------------|
| Center for    | Preventive dentistry: dental public health                  | Catherine Volgenant | c.volgenant@acta.nl |
| Dentistry     | (implementation of oral health improvement in African       |                     |                     |
| Amsterdam (VU | countries)  |                     |                     |
| Amsterdam and | 2. Preventive dentistry: infection control research         |                     |                     |
| University of | (microbiology / clinical practice)                          |                     |                     |
| Amsterdam)    | 3. Preventive dentistry: clinical research on several       |                     |                     |
|               | subjects possible (caries risk assessment based on          |                     |                     |
|               | microbiome composition, dental care for vulnerable          |                     |                     |
|               | people in society, more labbased studies concerning         |                     |                     |
|               | biofilm modelling / testing potential oral health products) |                     |                     |