




## Program

13.00 h	Opening of the event by Paul Korting (NERA)
13.15 h	The NWO Dutch National Research Agenda call (NWA-ORC) INGE VAN LEEUWEN (NWO) - 15 min presentation + 30 min Q&A -
14.00 h – 15.15 h	1 <sup>st</sup> Round of Pitches [3 min per pitch + 2 min clarifying questions] → pitches: 1 - 14
15.15 – 15.45 h	Networking break
15.45 – 17.00 h	2 <sup>nd</sup> Round of Pitches [3 min per pitch + 2 min clarifying questions] → pitches: 15 - 2
17.00 h	Closing remarks & Networking drinks
18.00 h	End of event







## Members of NERA


**9 participating research organisations**


- Founded November 2013
- Recently, Leiden University has joined NERA. There are also discussions with other institutions to represent as much as possible the relevant Dutch energy research field
- A number of changes took place in 2017 and early 2018: ECN and TNO will continue as a new energy institute, and FOM has now become NWO-I
- NERA represents the Netherlands in the European Energy Research Alliance EERA, which is the European Platform for Energy Research Institutions


**Netherlands Energy Research Alliance**























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## Mission

*“NERA aims for optimal knowledge sharing, coordination and cooperation in energy research for an effective and successful energy transition”*

## Goals

1. A platform for the Dutch energy research community
2. Informing, harmonizing and coordinating the energy research (without being part of a proposal and/or conducting the research):
  1. Visibility of the energy research (→ website: [www.nera.nl](http://www.nera.nl))
  2. Assistance in determining research priorities by making a research portfolio: Inclusion of blind spots in the research field and recognition of strengths (→ Scientific Board)
  3. Combining knowledge about energy themes, as in the National Science Agenda - route energy transition
3. The positioning of Dutch energy research internationally, including participation in the EERA ExCo Board and trade missions
4. Representation of the Dutch energy research field in the interaction with the relevant Top Sectors (Energy, High Tech Systems and Materials, Chemistry), and Ministries (Education, Culture and Science, Economic Affairs and Climate, Infrastructure and Environment) as in the Knowledge and Innovation Agendas (KIA's) for the Climate and Energy Agreement

- **NERA in a “broker” role**
- **Workshops for agenda setting**
- **Stakeholders are sound boards for NERA and its members, and NERA can serve as a sounding board for stakeholders**



## Organisation of NERA as per June 2018

**Secretariat NERA**  
Kenneth Heijns

**Board NERA**


1. Paul Korting (chairman)
2. Tim van der Hagen, TUD
3. Frank Baaijens, TUE
4. Thom Palstra, UT
5. Sibrand Poppema, RUG
6. Henk Kummeling, UU
7. Wim Boogaart, TNO
8. Aart van der Pal, ECN

**Scientific Board NERA**

1. Richard van de Sanden, DIFFER (chairman)
2. Wim Sinke, ECN
3. Adriaan Slob, TNO
4. Kornelis Blok, TUD
5. David Smeulders, TU/e
6. Gerrit Brem, Universiteit Twente
7. André Faay, RUG
8. Gert Jan Kramer, Universiteit Utrecht


**Working Group NERA**

1. Laetitia Ouillet, TU/e (chairwoman)
2. Peter Ngene, Universiteit Utrecht
3. Lily Li, TUD
4. Maarten Arentsen, Universiteit Twente
5. Gerrit Jan Valk, TNO
6. Paul de Wild, ECN
7. Robert-Jan Slobben, RUG
8. Erik Langereis, Differ en Marcel Hoek, NWO



Scientific Board

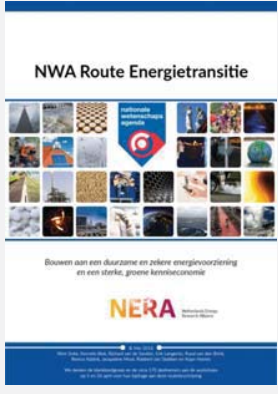
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## Dutch National Research Agenda Route Energy Transition as a guide

The DNRA Route Energy Transition forms the **roadmap for the research sector to coherently collaborate on 10 Challenges for the energy transition**. Through workshops with business and close coordination with the Topsector Energy, coalitions are forged to implement the DNRA Route Energy Transition

Buildings as power plants and vehicles as energy buffers	From electricity to fuel and heat	Clean and flexible industry
Intelligent energy systems	Rapid switch to a CO <sub>2</sub> -neutral society	The Dutch transition in a global context
Measure, analyse, adjust	Every surface generates sustainable energy	A CO <sub>2</sub> -neutral energy society will be different
Dealing with variation		




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## The European Energy Research Alliance, EERA

- Founded in 2008
- Mission "Coordinating energy research for a low carbon Europe"
- Is the Research Pillar of the EU SET Plan
- Consists of 169 members from 27 countries
- Communication with the EU (DG RTD, DG ENER)
- Core task is implementation of (17) Joint Programs. The Netherlands is well positioned at NERA.
- Financial support by the EU is a major focus of EERA. For its part, the EU wants more alignment of national programs and seeks recognition of its role! Here, EERA can help.



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## EERA governance

### EERA Governance with the Secretary General

**General Assembly**  
All EERA members organizations

Meeting: 1 per year

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**Executive Committee**  
15 members + observers

Meeting: 2 per year

**EERA Chairman**

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**Secretary general**

Daily business  
Meeting: 2-3 per month

✓ Office manager  
✓ Secretariat  
6 members

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Expert level

Joint Program  
Coordinator  
A


JPC  
B

JPC  
C

JPC  
...




Nils Rokke, chairman

Adel El Gammal, SG


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## Overview JPs

	Ampere	Bioenergy	CCS	CSP	E3S	Storage	ESI	EEIP	FCH	Geotherm	NM	Ocean	PV	Shale gas	Smart city	Smart grid	Wind	Total JP
Austria	1				2	1	1	1					1		1	1		8
Belgium		1	2		2	3	3		1	2	3				3	2	3	12
Bulgaria						1												1
Croatia										1								
Cyprus				1	1											1		3
Czech Republic	2	2	1		1	3			1		1				2	1		9
Denmark	1	2	2		1	1	1	1	1			1	1	1	2	1	3	14
Estonia													1					1
Finland	1	2	2		1	1	1	1	1		3				1	1	1	13
France	3	4	2	2	2	2	1	1	3	1	3	1	2	3	2	2		16
Germany	6	4	5	3	2	7	2	3	5	8	5	1	8	4	3	4	7	17
Greece			1	1						1			1		1	2	2	7
Iceland										1								1
Ireland	1					1						1					1	4
Italy	6	6	7	7	6	7	1	2	6	11	6	3	5	1	14	7	3	17
Latvia																1		
Netherlands	3	3	3		5	3	1	2	2	3	2	1	3	3	3	2	4	16
Norway	1	1	5		5	3		1	1	5	1	1	2	1	2	1	5	15
Poland	2	1			1	1	1	1	1		1			3	2	1	1	11
Portugal		1		1	1	1	1			1		1	2	1	2		2	11
Romania										1								1
Slovakia						1					1							2
Slovenia		1																1
Spain	8	10	3	9	5	9	1	4	7		6	2	6	1	7	4	7	16
Sweden	2	2							1		2				1			5
Switzerland	1	1	2	1						1	3		2				1	9
Turkey		1			3				1	1	1		2			1	1	8
United Kingdom	2	1	2		1	1	1	1	1	3	1	2	2	1	1	1	3	16
<b>Total Organisations</b>	<b>38</b>	<b>44</b>	<b>38</b>	<b>25</b>	<b>39</b>	<b>46</b>	<b>12</b>	<b>18</b>	<b>32</b>	<b>36</b>	<b>43</b>	<b>13</b>	<b>41</b>	<b>20</b>	<b>48</b>	<b>33</b>	<b>44</b>	
<b>Total Countries by JP</b>	<b>14</b>	<b>17</b>	<b>14</b>	<b>8</b>	<b>16</b>	<b>17</b>	<b>11</b>	<b>11</b>	<b>14</b>	<b>12</b>	<b>17</b>	<b>10</b>	<b>16</b>	<b>10</b>	<b>16</b>	<b>17</b>	<b>15</b>	

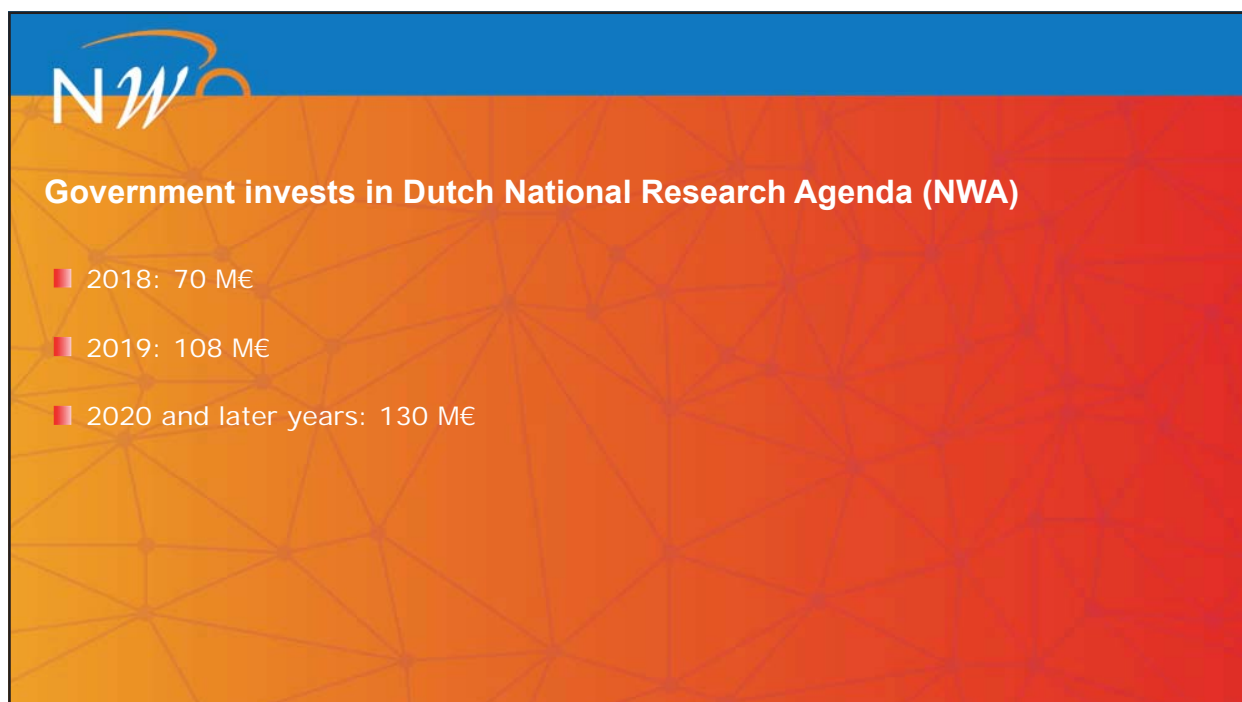
Every ExCo member has a link with a JP.  
NERA → JP Wind



## When is NERA a success?

**Cooperation within NERA must ensure optimum knowledge sharing, coordination and cooperation in the field of energy research for an effective and successful energy transition**

- NERA is seen as a recognized party and associate that initiates and harmonizes research on the energy field at NL and EU levels
- NERA is successful when NERA's activities have demonstrated added value for the energy community (government, business, knowledge infrastructure and NGO): NERA has succeeded in raising research priorities and helping to define programs that enable energy research to be targeted
- NERA has contributed to knowledge sharing through, for example, the organization of workshops





## NWA programme is composed of four elements:

1. Annual funding round for broad consortia within all NWA routes
2. Thematic calls in collaboration with ministries
3. Idea generator: small proposals, high risk/high gain
4. Science communication and knowledge dissemination



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## Essentials of the NWA-ORC call 2018

- Available budget: 52,2 M€
- Consortia submit proposals that fit within one or more of the NWA routes
- Three budget ranges:
  - 500 k€ - 2 M€
  - 2 M€ - 5 M€
  - 5 M€ - 10 M€
- **Total project budget** including the co-funding (in cash and/or in-kind).
- Min. 10% co-funding mandatory
- Project duration up to 8 years



## Important elements in the proposal

- Interdisciplinary
- Aimed at potential scientific and/or societal breakthroughs
- Link between fundamental and applied research (roughly 80/20)
- Connection between public 'knowledge chain' and partners from society
- Where possible: involvement of citizens and society at large: ...'giving back to society'



## Who can apply: main applicant

- Main applicant submits proposal and receives funding
- Researcher from a:
  - Knowledge institute that can always submit proposals to NWO
  - University of applied science
  - TO2 institute (Deltares, ECN, Marin, NLR, TNO and WUR/DLO)



## Who can apply: co-applicant

- Co-applicant receives funding.
- (People from) organisation that fulfil the following three conditions:
  - Based in the Netherlands;
  - Has a public task and carries out its research independently;
  - Is not-for-profit other than for the purpose of carrying out further research.



## Co-funding

- 10% co-funding mandatory
- In cash and/or in kind
- Can be raised by different partners
- From public and/or private partners that **do not** receive funding



## What can be applied for

- Personnel costs
- Material costs
- Investments (max. 1 M€)
- Knowledge utilisation and entrepreneurship (mandatory: 5% of requested funding)
- Internationalisation
- Programme management (mandatory for proposals with a budget  $\geq$  2 M€)

**Full proposal stage → standard budget format available**



## International partners: money follows cooperation

- Possibility to include expertise from abroad in the research proposal
- Expertise unavailable in The Netherlands or not at the right level
- Added value should be demonstrated in the proposal



## Assessment criteria

- Quality of the proposal (33%)
  - Quality of the consortium (33%)
  - Potential scientific and/or societal breakthroughs (33%)
- The same for pre-proposal stage and full proposal stage



## Assessment committee

- Technical chair
  - Scientists/researchers from various disciplinary backgrounds and entire knowledge chain
  - Representatives from societal parties
- Part of the same committee and together assess the applications according to the three criteria
- Expectation = three subcommittees (one per budget range)



## Time schedule

- Deadline pre-proposals: 11 September 2018
- Advice pre-proposals: end of October 2018
- Deadline full proposals: 18 December 2018
- Decision on funding: mid-April 2019
  
- Call for proposals round 2019: expected mid-January 2019



## Funding for matchmaking events

- Aim: to create (new) consortia spanning the entire knowledge chain for the NWA routes and develop proposals for innovative research.
- No more than 10,000 euros per initiative
- Requests can be submitted any time in 2018 and 2019



## More information

- [www.nwo.nl/nwa/faq](http://www.nwo.nl/nwa/faq) (also in English)
- Specific questions about the 2018 funding round: [nwa-orc@nwo.nl](mailto:nwa-orc@nwo.nl) or 070 – 349 43 12
- General questions about the NWA: [nwa@nwo.nl](mailto:nwa@nwo.nl)

*On Tuesday 26 June, NWO hosted a webinar in order to provide information on the research programme. The webinar is recorded and can be found via [www.nwo.nl/nwa](http://www.nwo.nl/nwa).*