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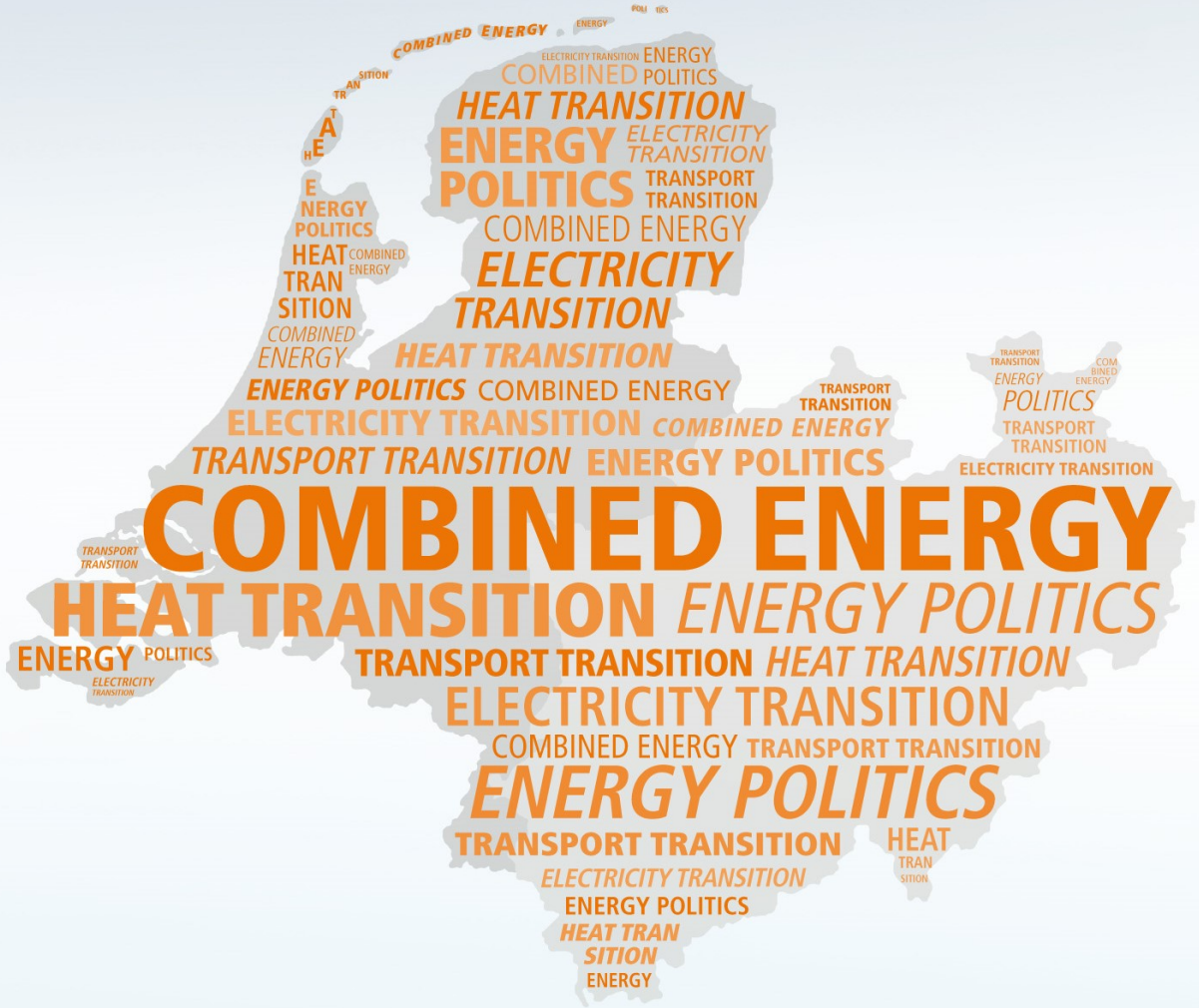

Welcome to 3rd Combined Energy Conference 2020

29th January 2020

Arnhem

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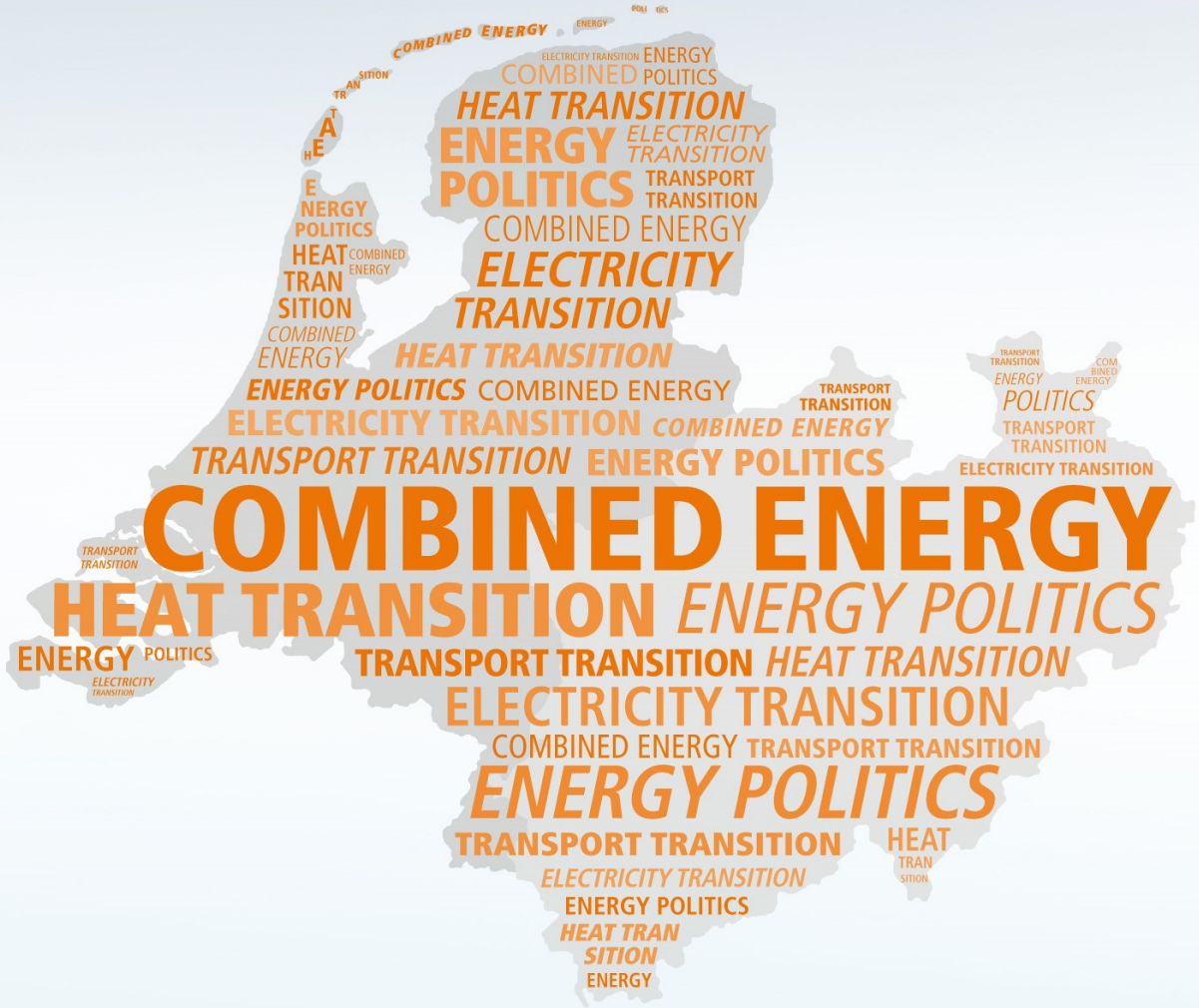

3rd Combined Energy Conference 2020

29th January 2020

Arnhem

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Renewable Energy Workshop

Welcome !

Workshop Moderators:

Dr. Jacques Kimman (Netherlands Enterprise Agency)
Stephanus Lintker (EnergyAgency.NRW)

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Program Workshop 2, Renewable Energy:

Geothermal energy, innovative heating concepts

Introductions by:

- Geothermal energy: Shallow geothermal energy applications and market developments in The Netherlands, opportunities and threats for upscaling and improved cross-border cooperation.
  Dr. Frank Agterberg, Board member at BodemenergieNL
- Innovative heating concepts: Potential study industrial waste heat.
  Nils Dering, Landesamt für Natur, Umwelt und Verbraucherschutz Nordrhein-Westfalen (LANUV)
- Project Mark 51°7 - Heat and cold supply through mine water utilization.
  Prof. Dr. Rolf Bracke Managing Director at Fraunhofer Institute für Energieinfrastruktur und Geothermie IEG and **Florian Hahn** (Focus on cross-border co-operation)

Questions & Discussions…

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Workshop 1, Renewable Energy

Questions and Tables|

- **Dr. Frank Agterberg**, Shallow geothermal energy applications and market developments
  - Table 1: “Could we organize joint sector knowledge exchange for further improved practices?”
  - Table 2: “Could we jointly strive for EU conformity in well materials’ and integrity?”

- **Nils Dering**, Innovative heating concepts
  - Table 3: “What can NRW and NL government/agencies do (more) to facilitate improved cooperation/knowledge exchange with respect to industrial surplus heat utilization?”
  - Table 4: “How can cross-border cooperation help to utilize the potential of industrial waste heat? Which (new) parties should be involved?”
- **Prof. Dr. Rolf Bracke** and **Florian Hahn,** Heat and cold supply through mine water utilization
  - Table 5: “What is needed to accelerate the (cross-border) use/application of mine water resources?
  - Which parties can help this acceleration? “
  - Table 6: “What can NRW and NL government/agencies do to facilitate?”

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Program Workshop 5, Renewable Energy:

Energy infrastructure in the built environment, PV in the public infrastructure

Introductions by:

- Energy infrastructure in the built environment on the example climate protection housing estate 'Stegerwaldsiedlung Köln'
  Christian Remacly, RheinEnergie

- PV in the public infrastructure: Examples, potential, opportunities and threats. Exploring possibilities for cross-border projects.
  Hans de Neve, Dutch National Consortium for Solar on Infra

Questions & Discussions…

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Workshop 5, Renewable Energy

Questions and Tables

- **Christian Remacly**, Energy infrastructure in the built environment
  - Table 1: “What are the most important common problems/opportunities (experience) in NRW/NL built environment (like this project) to be tackled?”
  - Table 2: How can NRW/NL learn and improve from this common experience? ”
  - Table 3: “What can NRW and NL government do to facilitate cross-border learning and improving?”

- **Hans de Neve**, PV in the public infrastructure
  - Table 4: “What are the best practices and lessons learned from solar project in the infrastructure of The Netherlands and Germany that we can use for future cross-border projects?”
  - Table 5: “Which new opportunities are being worked upon for Germany and The Netherlands, which are relevant for cross-border projects? For example PV roofing for cycle paths, PV noise barriers, PV in the road, ….?”
  - Table 6: “Which innovations on the PV side are needed and/or could be (bilaterally?) worked on, in which institutions in the Netherlands and in Germany, to allow integration in the infrastructure: lightweight, safety, …..?”

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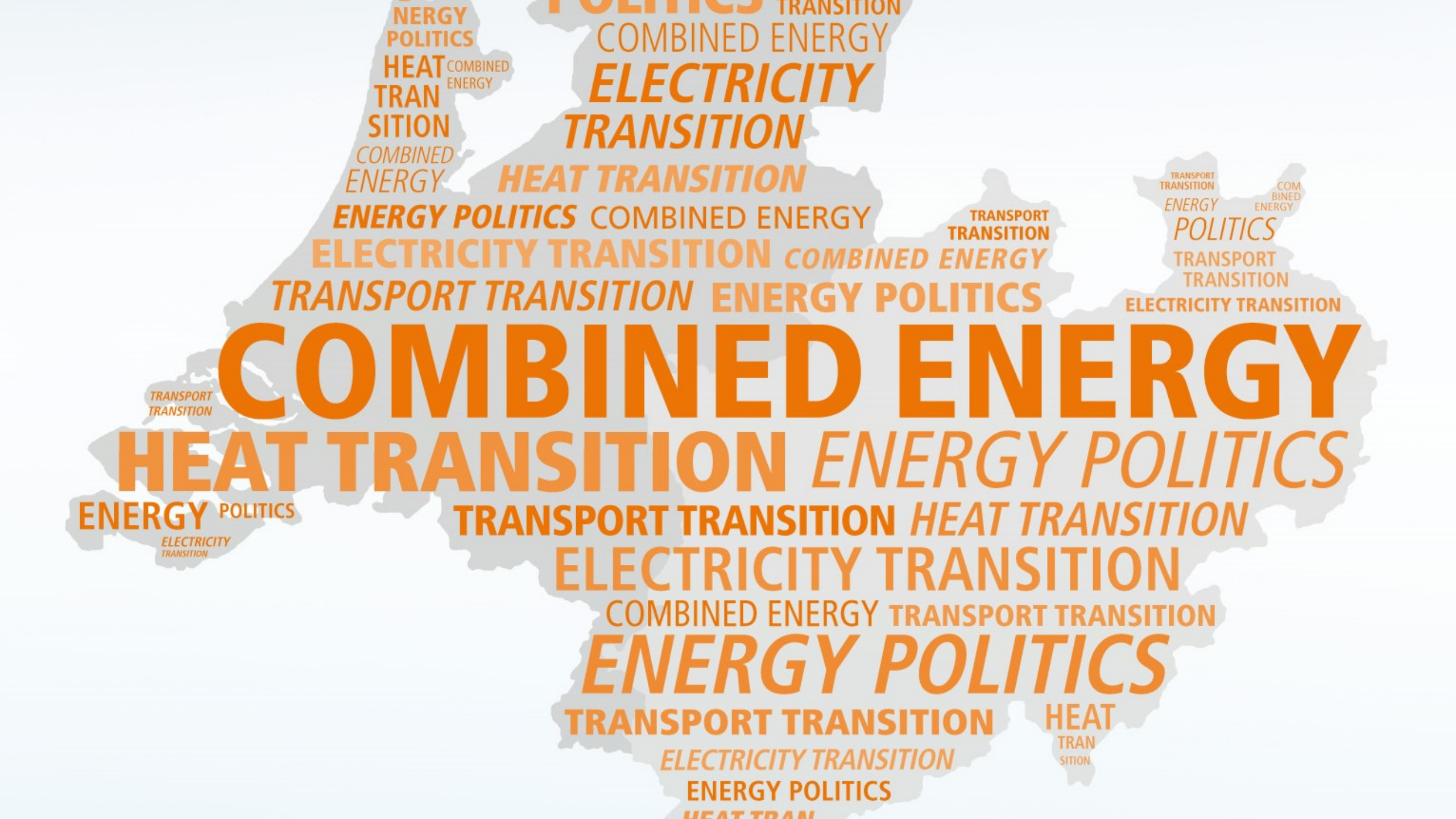
Renewable Energy Workshop

Closure

- Please give us some of your most important impressions, findings, actions...
- We will send you the results of the discussions
- You'll be invited to participate in follow-up activities

Thank you !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