

9th St. Gallen Forum for Management of Renewable Energies, June 1st, 2018



Promote Acceptance for Energy Transition

**Conflict Consulting at Competence Centre for Nature
Conservation and Energy Transition (KNE)**

Dr. Bettina Knothe

Agenda

1. KNE – Main Working fields.
2. Planning and Approval Process of Wind Energy Plants in Germany.
3. Main Conflict Fields and Dynamics.
4. Who requests KNE Conflict Consulting Services?
5. What do KNE Conflict Consulting Services offer?
6. 6-steps Conflict Management Services for Energy Systems.

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KNE – Main Fields of Activity

- Goal: Prevention of conflicts and objectification of debates in the area of conflicts of nature conservation and energy transition.
- Field: Establishment of renewable energy plants (Onshore-wind energy, solar energy, bioenergy).
- Potentially: water energy, energy storage and networks.
- Application: planning, authorization process, construction of renewable energy plants.



Information



Conflict Consulting



Dialogue

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Wind Energy in Germany

Climate Action Plan 2050:

Reduction of green house gases

- 2020: 40 %
- 2030: 55 %
- 2050: 80 %

- 2017: 28 %

Wind Energy in Germany

Renewable Energy Sources Act 2017 (Erneuerbare-Energien-Gesetz):

- Extent the share of renewable energies in total energy consumption
 - ♦ 2025: 40 – 45 %
 - ♦ 2035: 55 – 60 %
 - ♦ 2050: 80 %
- Obligation for incumbents to participate in open competitive bidding (Federal Network Agency).
- Relevant for all plants with energy output exceeding 750 kW (wind onshore) and 150 kW (Bioenergy).
- Plants with lower output keep the legal binding right for financial support for energy feeded in the public network.

(Energie-Agentur.NRW, 2016)

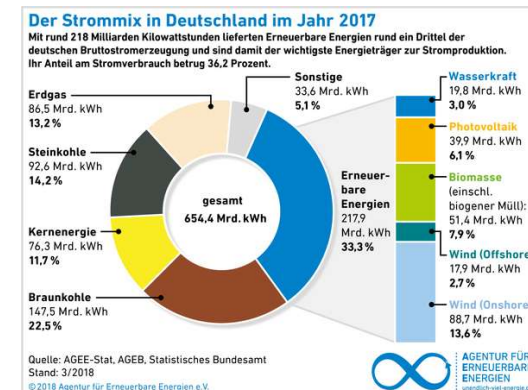
Wind Energy in Germany

Share of renewable energies in total energy production (AEE 3/2018)

- 2017: 33,2 % (217,9 GW of 654,4 GW)

Share of wind energy in total amount of renewable energies (AEE 3/2018)

- 2017: 16,3 % (offshore: 2,7 %, onshore 13,6 %) (106,6GW of 217,9 GW)

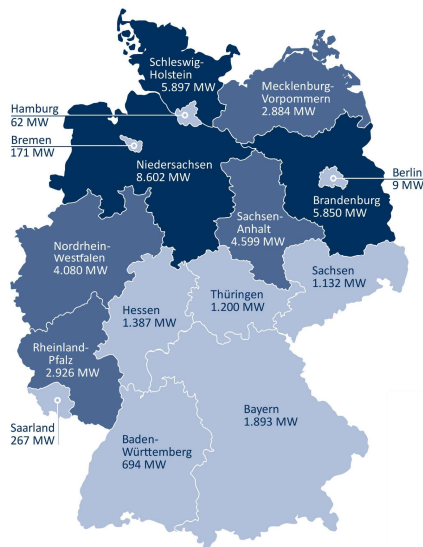


Wind Energy in Germany

Distribution onshore wind energy plants in Germany (BWE 2018)

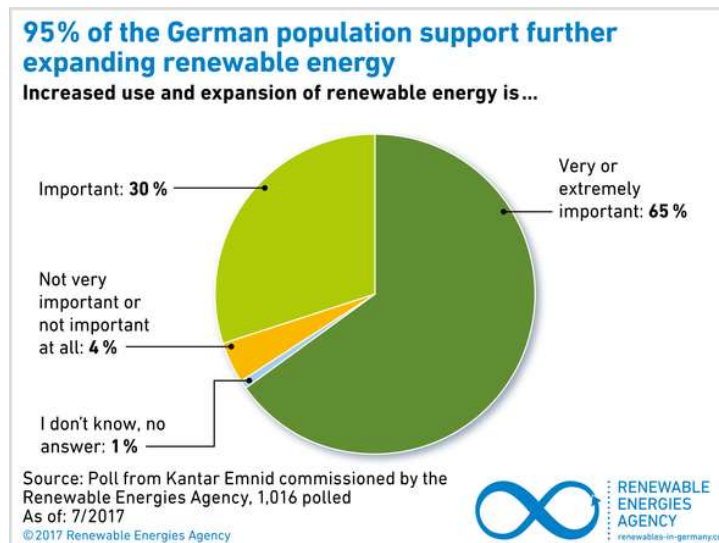
Onshore-Windenergieanlagen in Deutschland

Verteilung nach Bundesländern 2015

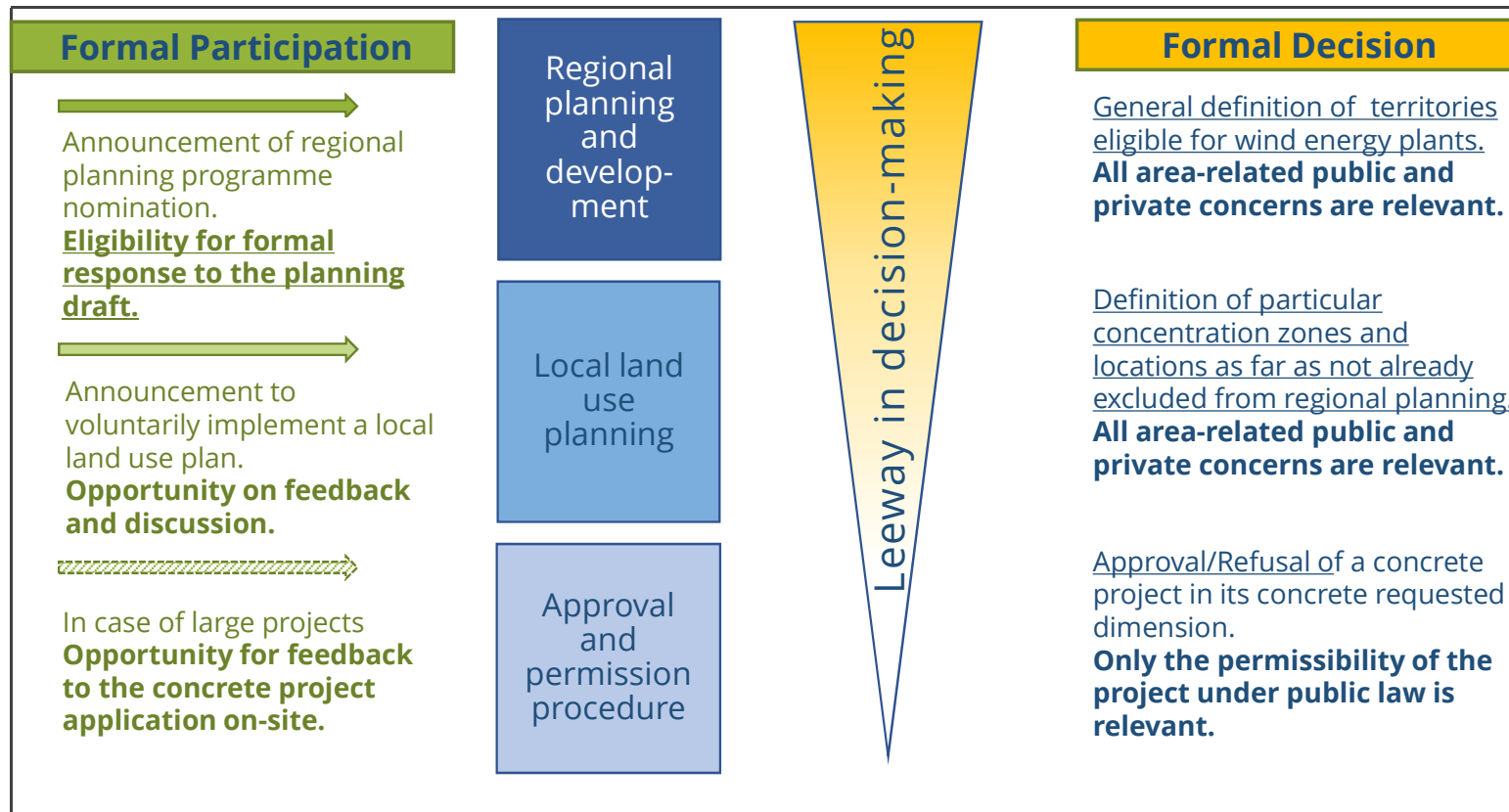


Bundesverband WindEnergie

info@wind-energie.de




Planning and Approval of Wind Energy Plants



Planning and Approval of Wind Energy Plants



Leeway in Decision-Making



Requests for Conflict Consulting

Planning and Approval of Wind Energy Plants



Leeway in Decision-Making

Increase transparency,
information and offer to partake

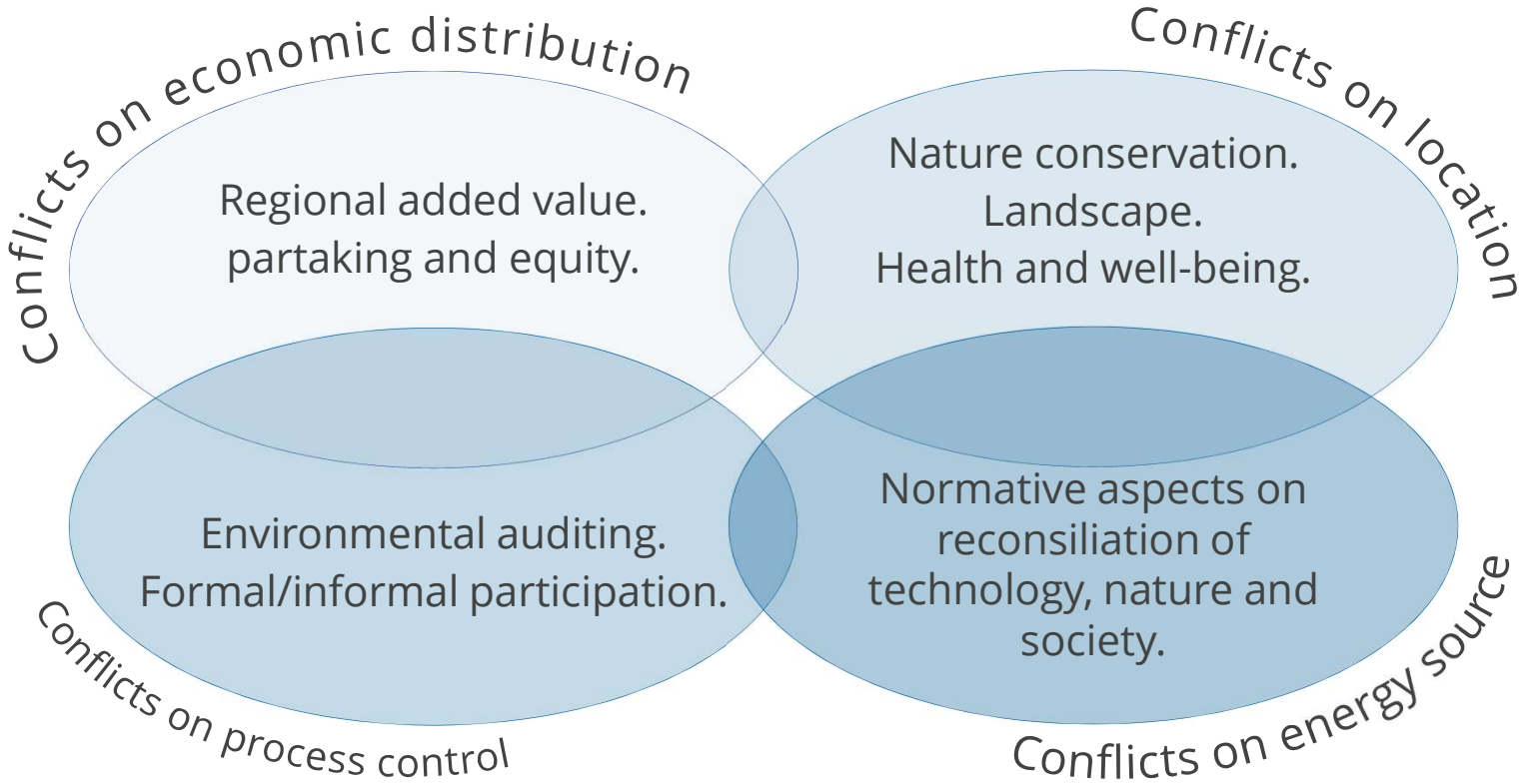
Requests for Conflict Consulting

Decelarate tempo of local
implementation process.

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Main Conflict Fields and Dynamics



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Who requests KNE services?

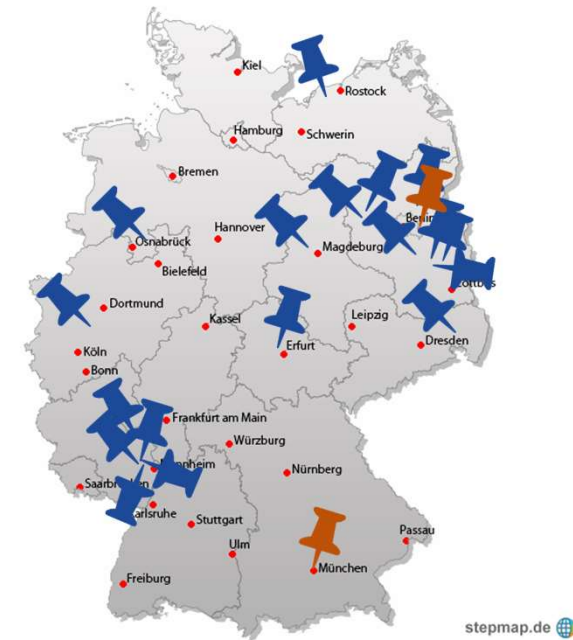
Land use
planning
and
regulation

Area develop-
ment
planning

Approval
and
permission
procedure

Leeway in decision-making

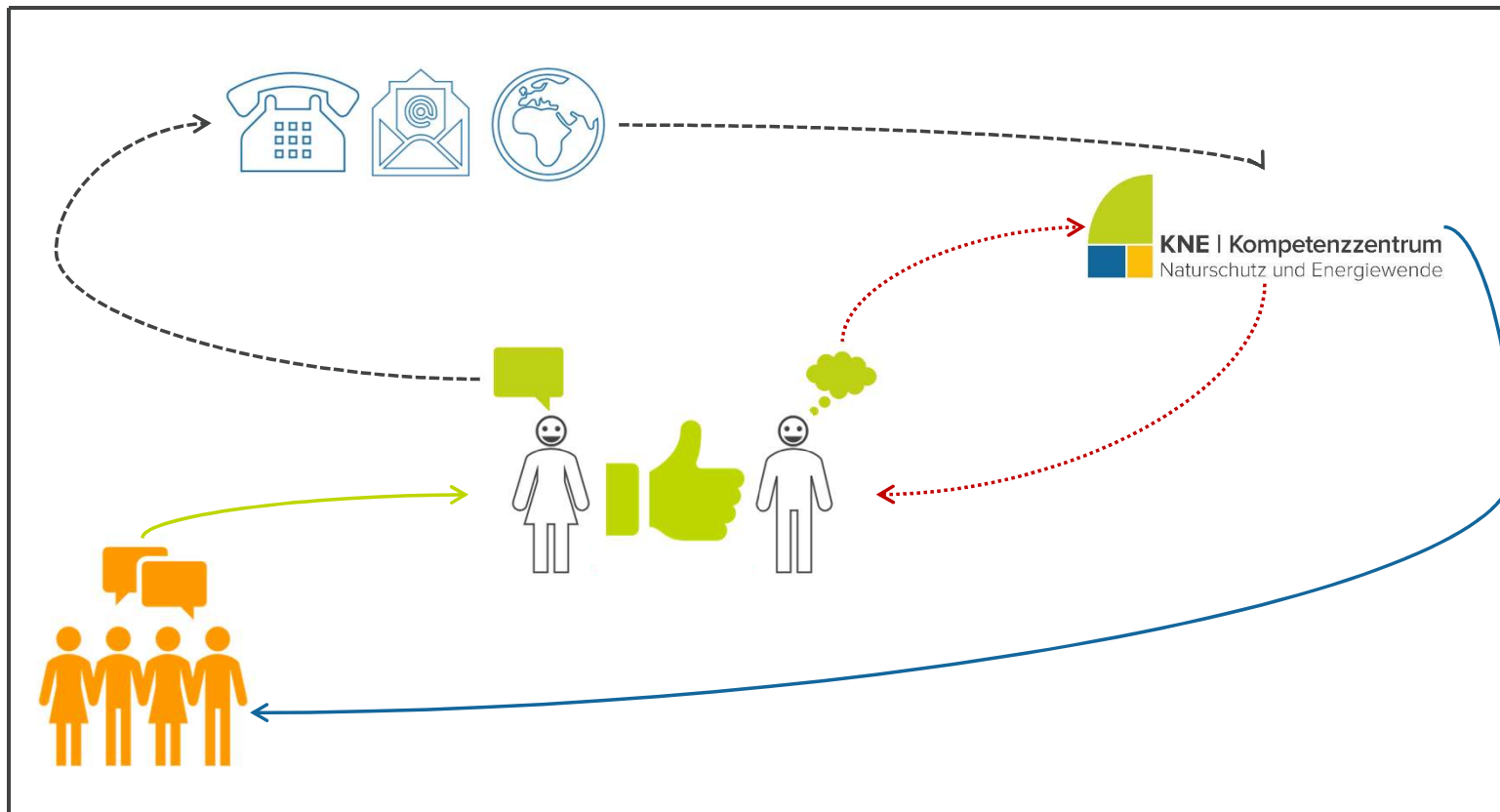
- Standing Conference of local planning authorities (chief administrative officers).
- Energy agencies of the German federal states.
- Federal and regional nature conservation associations.
- Administrative districts (chief administrative officers).
- Operators.
- Communities (mayors).
- Citizen's action groups.



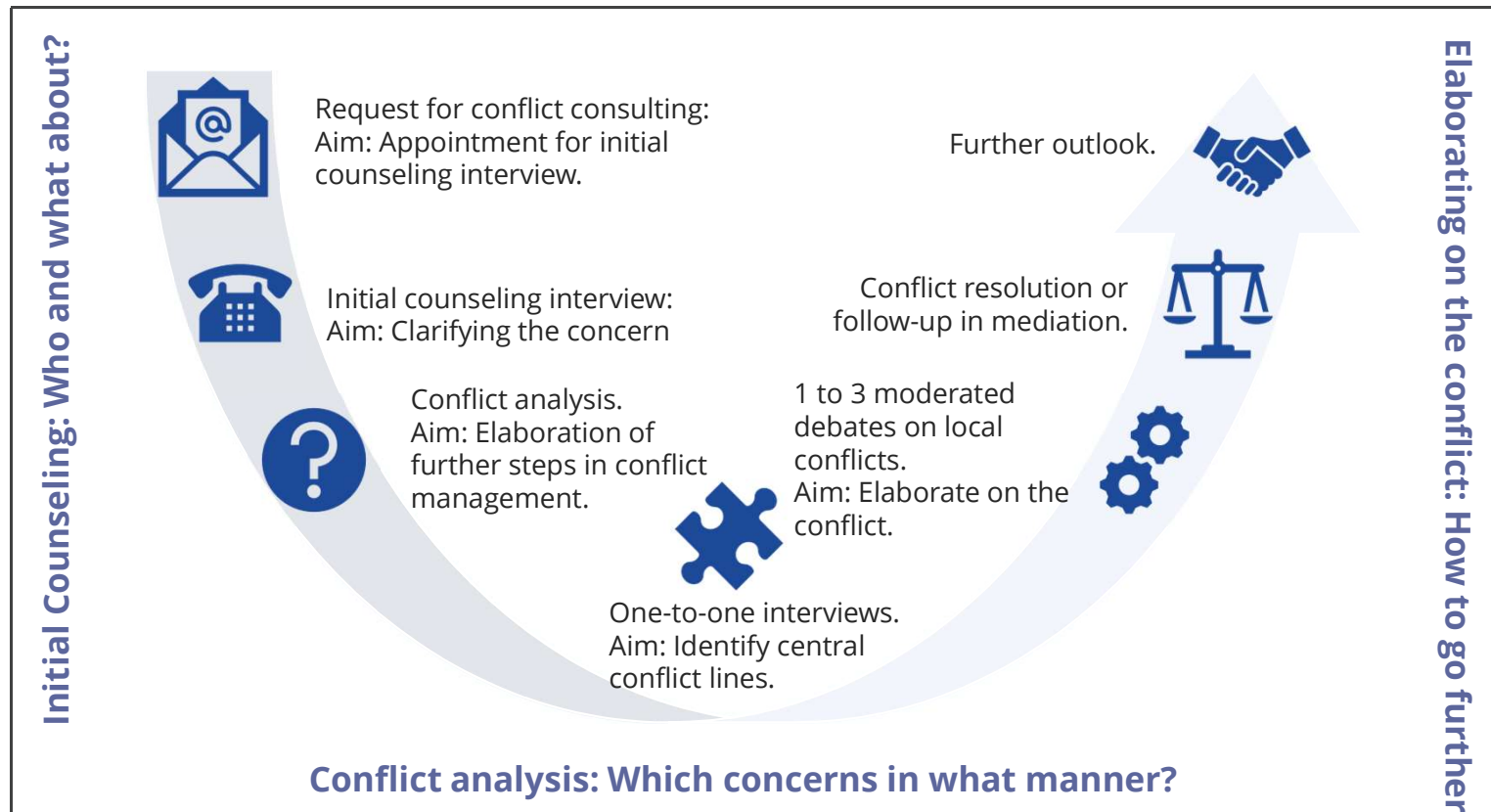
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What do KNE Conflict Consulting Services offer?



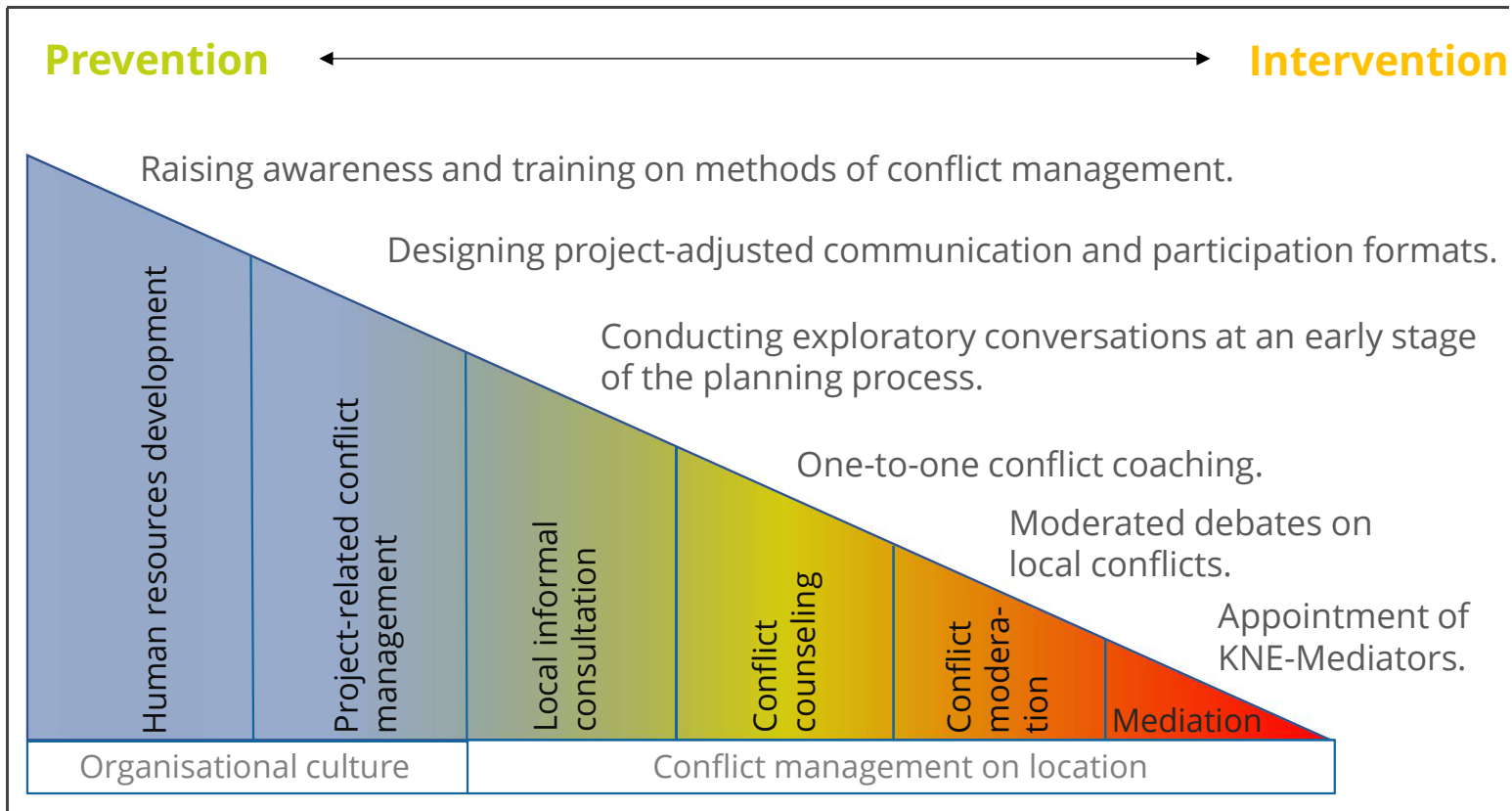
What do KNE Conflict Consulting Services offer?



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6-steps Conflict Management for Energy Systems.



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