



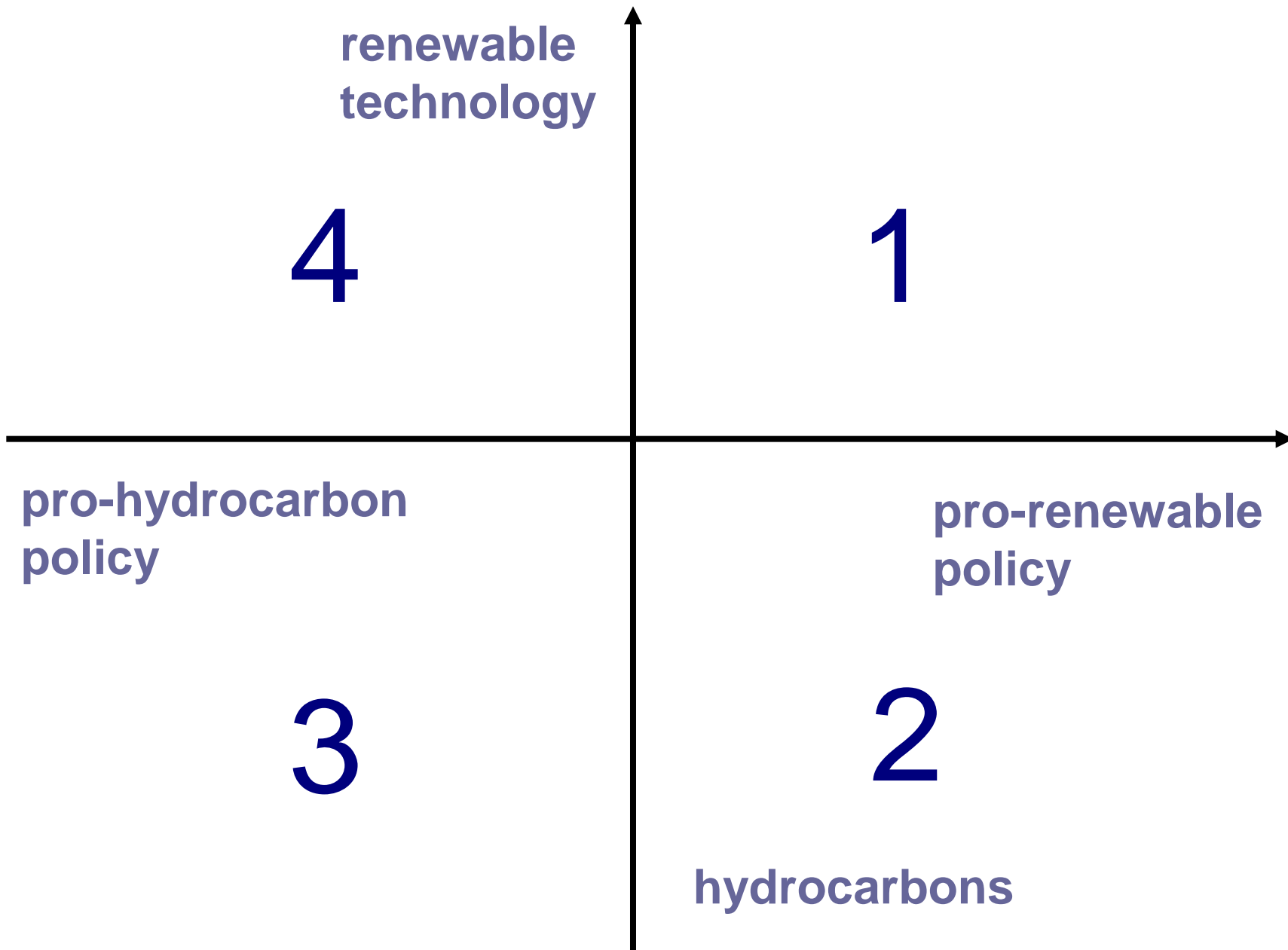
# Arctic Energy 2040

group #4



# **Driving forces considered:**

- customer preferences, demand;
- climate change;
- education/competence supply.
- developing of technologies, R&D;**
- policy development;**



# 1. Renewable technologies & pro-renewable/strict environmental policy

- green energy;
- healthy people, clean environment
- reducing of negative effects of climate change;
- development of renewable resources
- picturesque views, white snow, clean water;
- trade off between energy and landusage (fish, fauna, flora);
- nuclear development



## 2. Hydrocarbon technology & pro-renewable policy

- investment/development of non-renewable but clean hydrocarbon technology
- clean hydrocarbon extraction/production processes
- higher yield from existing fields
- investment/fund creation of hydrocarbon revenue to renewable (future) energy

# 3. Hydrocarbons & pro-hydrocarbon policy

- more efficient hydrocarbon extraction and production
- cleaner hydrocarbon industry
- reproduction of old oil&gas fields (reinjection of CO<sub>2</sub>, water, better seismic)
- discovery of new oil fields
- jobs for indigenuous people
- infrastructure development (roads, railways)
- !!! higher risk of accidents

## 4. Renewable technologies & pro-hydrocarbon policy

- renewable source involvement in hydrocarbon production;
- cleaner hydrocarbon industry;
- increased hydrocarbon exploration and production→;
- alternative usage of hydrocarbons and petrochemicals, while renewable sources will produce power;
- less production of hydrocarbons → alternative sources are used for power generation&transportation, while hydrocarbons will be saved



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Thank you for attention 😊