TELOS

Energy

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LE:NOTRE Institute
Linking Landscape Education, Research and Innovative Practice

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Warming up

Which of the following best captures the "*multilayer*" definition of an energy landscape?

0 A visual composition influenced by energy technologies ×

1 A territory defined exclusively by energy production ×

10 A spatial system integrating material infrastructures, social meanings, and ecological processes ✓

4 A landscape entirely transformed by renewable energy ×

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How often do you consider energy issues in your planning/design projects or studio work?

Which energy mix do you have in your study area (or your own context)?

wind and water	all of everything	Mostly oil and coal based. But slow inclusion of renewables	Solar energy
Solar and wind energy	bees :-)	geothermal, landfill gas	hydro, solar, wind

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Which energy mix do you have in your study area (or your own context)?

wind Turbin and rainwater harvesting and solae pannels	solar, petroleum, biogas	Hydro, solar, inverter battery	gas / solar power / electricity from the network (mixed)
Energy related to water exploitation and transportation, such as water wells and pumps	solar, LPG ,Diesel an petrol engines	Charcoal, Firewood	hydro power, solar, gas, fuel generators

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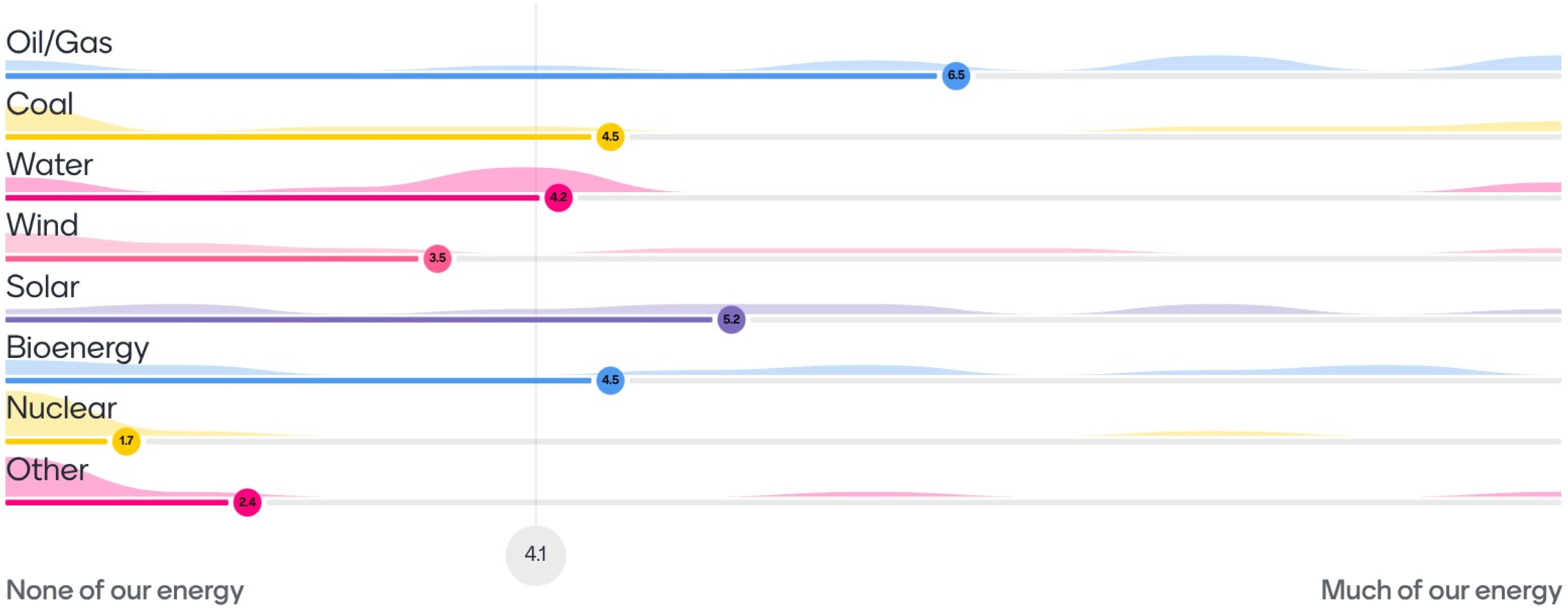
How would you describe the energy mix in your case study area (or your region?)



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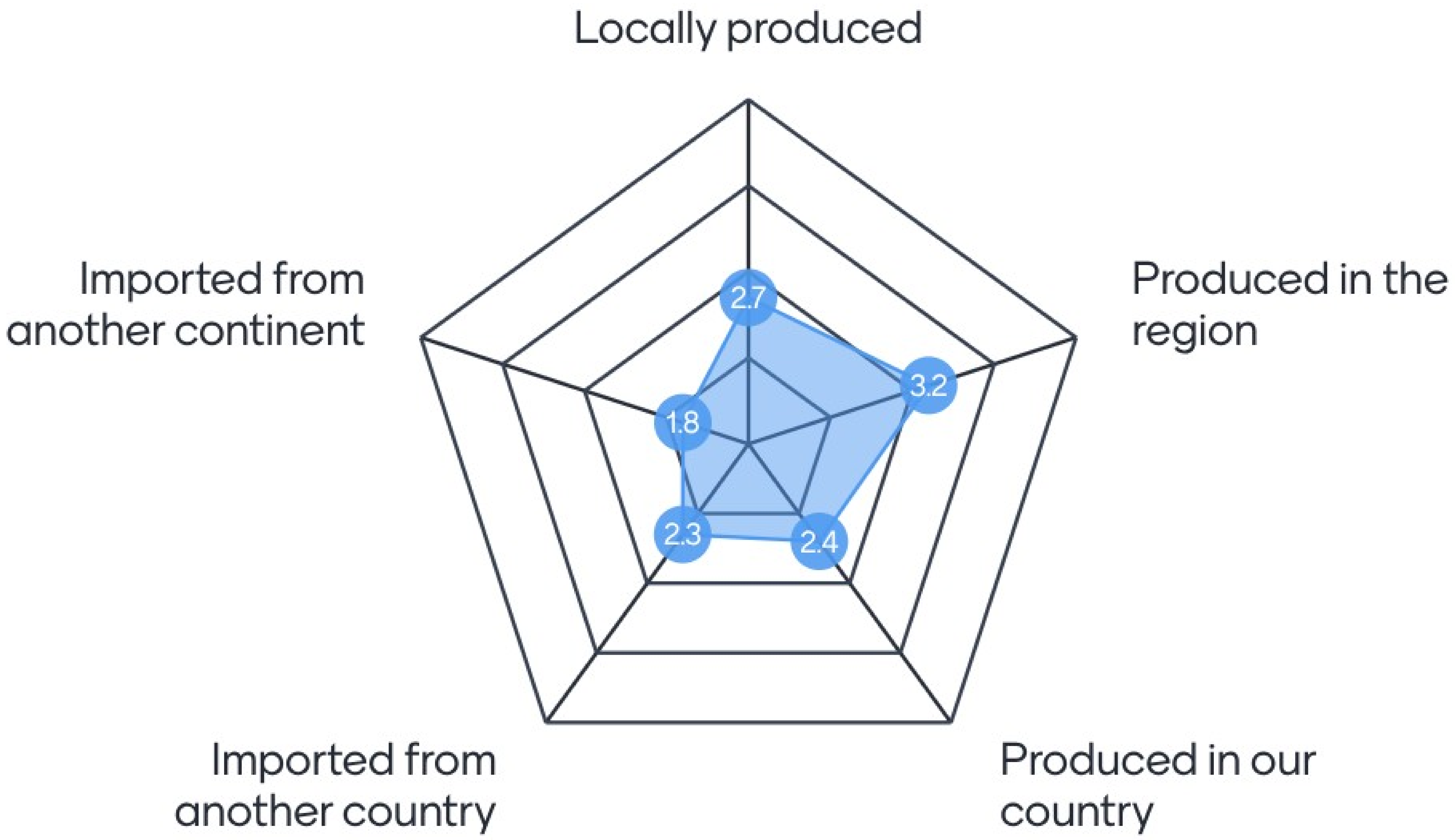
In your case: Where does the primary energy source come from?



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Why are energy distribution and supply critical in landscape transformation?

Because it is the cleanest and least resource-intensive part of the energy system

Because it has the highest cumulative energy losses and the largest territorial footprint across the landscape

Because most distribution networks are already underground and therefore less relevant visually

Because it has minimal influence on land-use patterns and spatial planning decisions

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High dependence on imported electricity typically leads to:

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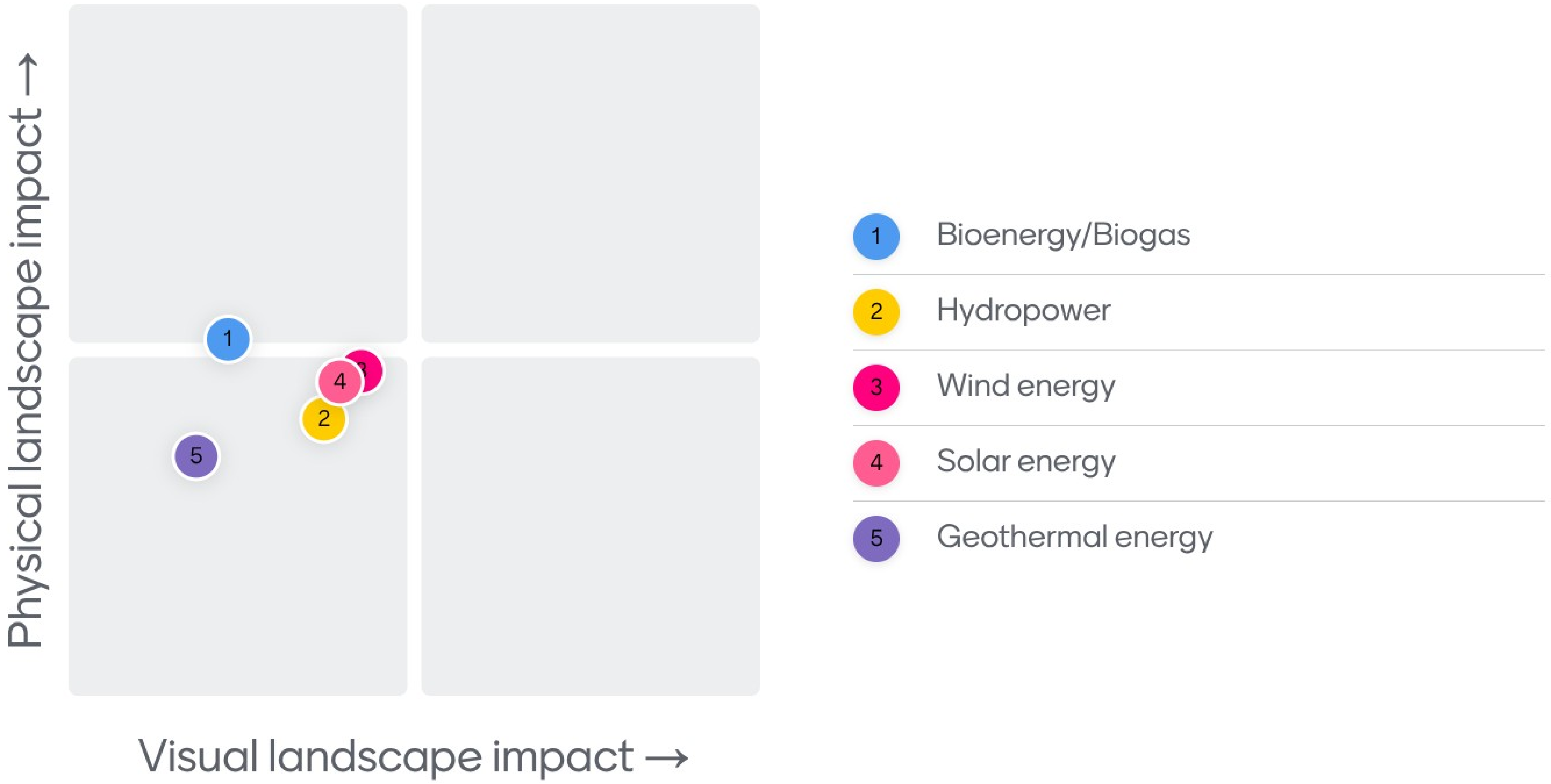
Which is currently the biggest territorial challenge of accelerating renewable deployment?

How would you evaluate the impact of these renewable energy sources?



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Please explain some goal conflicts of renewable energies. You may refer to social, environmental and economic impacts.

Positive Energy Districts (PED)

Which of the following most accurately describes a Positive Energy District (PED)?

What is the first step in a Positive Energy District development?

Energy Justice and Governance

Which statement best describes “energy justice” in the context of energy landscapes?

The most effective general mitigation approach across all renewable types is:

0 ✗	0 ✗	0 ✓	0 ✗
Maximising installed capacity regardless of location	Avoiding spatial planning considerations	Integrating energy design into landscape planning at early stages	Scattering installations randomly to reduce conflicts

Which spatial strategy is most recommended before allocating new land for renewable installations?

Prioritize new greenfield sites	Increase offshore capacity first	Repower or densify existing energy landscapes	Abandon existing sites and rebuild elsewhere
0	0	0	0

Energy Landscape design-oriented strategies

When designing with future energy landscapes in mind, what should be addressed first?

0	0	0	0
Aesthetic appearance	Energy efficiency + demand reduction	Selecting the most innovative technology	Choosing the tallest turbines

Which question should guide the selection of renewable technologies in a project area?

0 ✗

Which option has the lowest upfront investment cost?

0 ✗

Which technology faces the fewest administrative or permitting barriers?

0 ✓

Which technology best aligns with the local resource potential, land-use structure, ecosystem constraints, and landscape character?

0 ✗

Which technology appears the most innovative or visually appealing?

How much do you agree with the following statement?

Renewable energy infrastructures can enhance local identity when well-designed

Multifunctional land-use (e.g., agrivoltaics) is essential for the future of energy landscapes

Communities should have decision-making power in local renewable energy projects

Decentralization of energy production systems (Positive Energy Districts model) can promote the energy accessibility and energy affordability

I see opportunities for renewable energy in my case study landscape

Strongly disagree

Strongly agree

Which opportunities for renewable energies do you see in your case study landscapes?

Thank you!