



Challenges for the management of non-energy radioactive waste and spent fuel

Introductory remarks from nuclear country

Andrej Stritar

Slovenian Nuclear Safety Administration

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Safety of radioactive waste

RW from non-energy use

RW from energy use

Is there a difference?

NO!

It must be managed so that:

- there is no harm to people and environment and
- our grandchildren will not have to think about it.



Management of radioactive waste

RW from non-energy use

RW from energy use

Is there a difference?

YES!

Limited financial resources
Limited expertise

Sufficient financial resources
Sufficient expertise



Help from energy to non-energy countries

- YES, of course, people should help each other anyway!
- BUT, is it optimal?
- Is it really feasible to have in each and every country the RW waste disposal facility?
 - In the country A that generates **1,000 m³** per year and
 - in the country B that generates **2 m³** per year
- That is neither optimal, nor economical, nor even safest!

Joining forces

- Let us help each other by joining forces and creating one or only few best possible disposal sites!

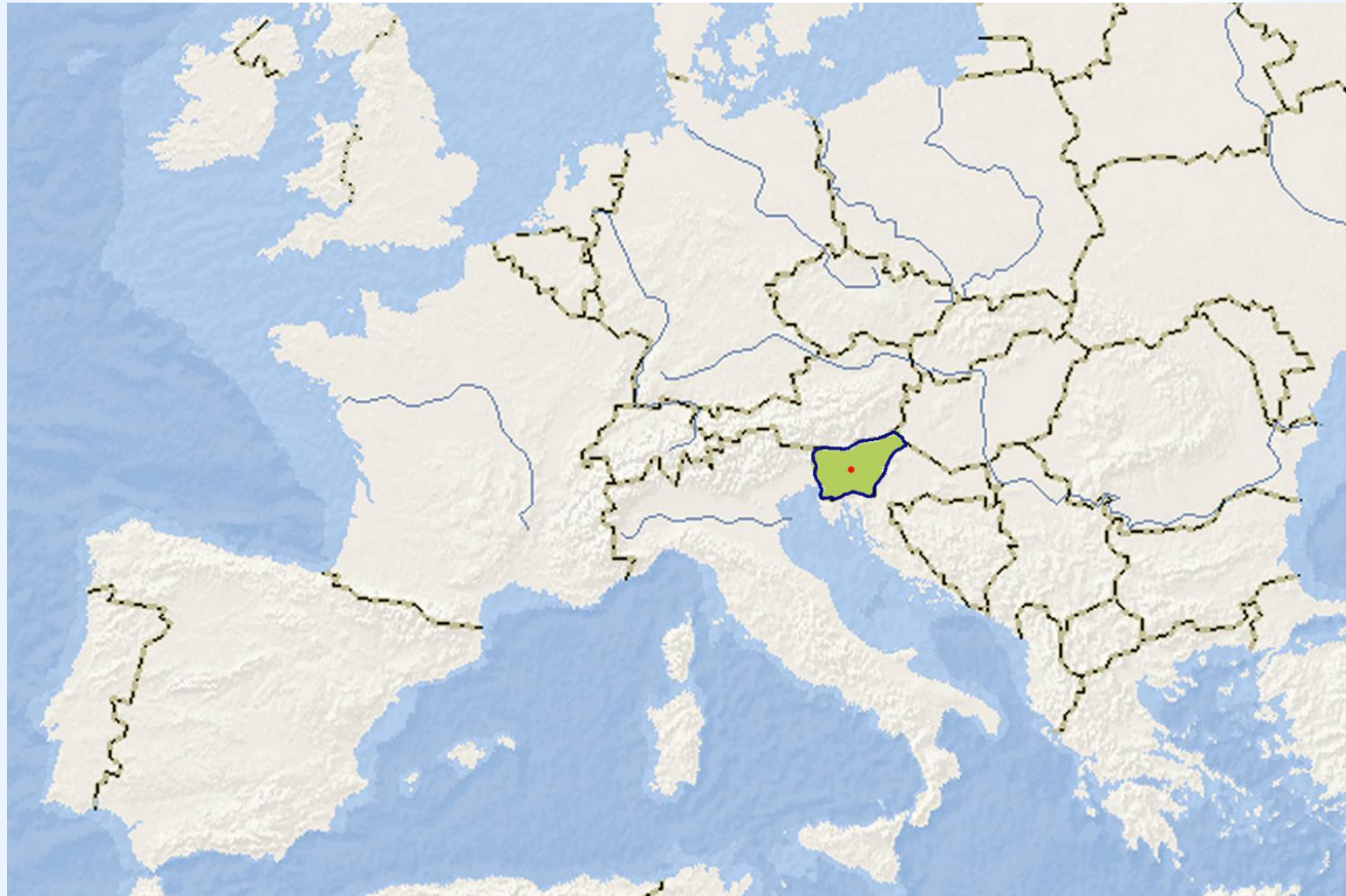
**REGIONAL,
JOINT,
MULTINATIONAL,
GLOBAL**

(or whatever called)





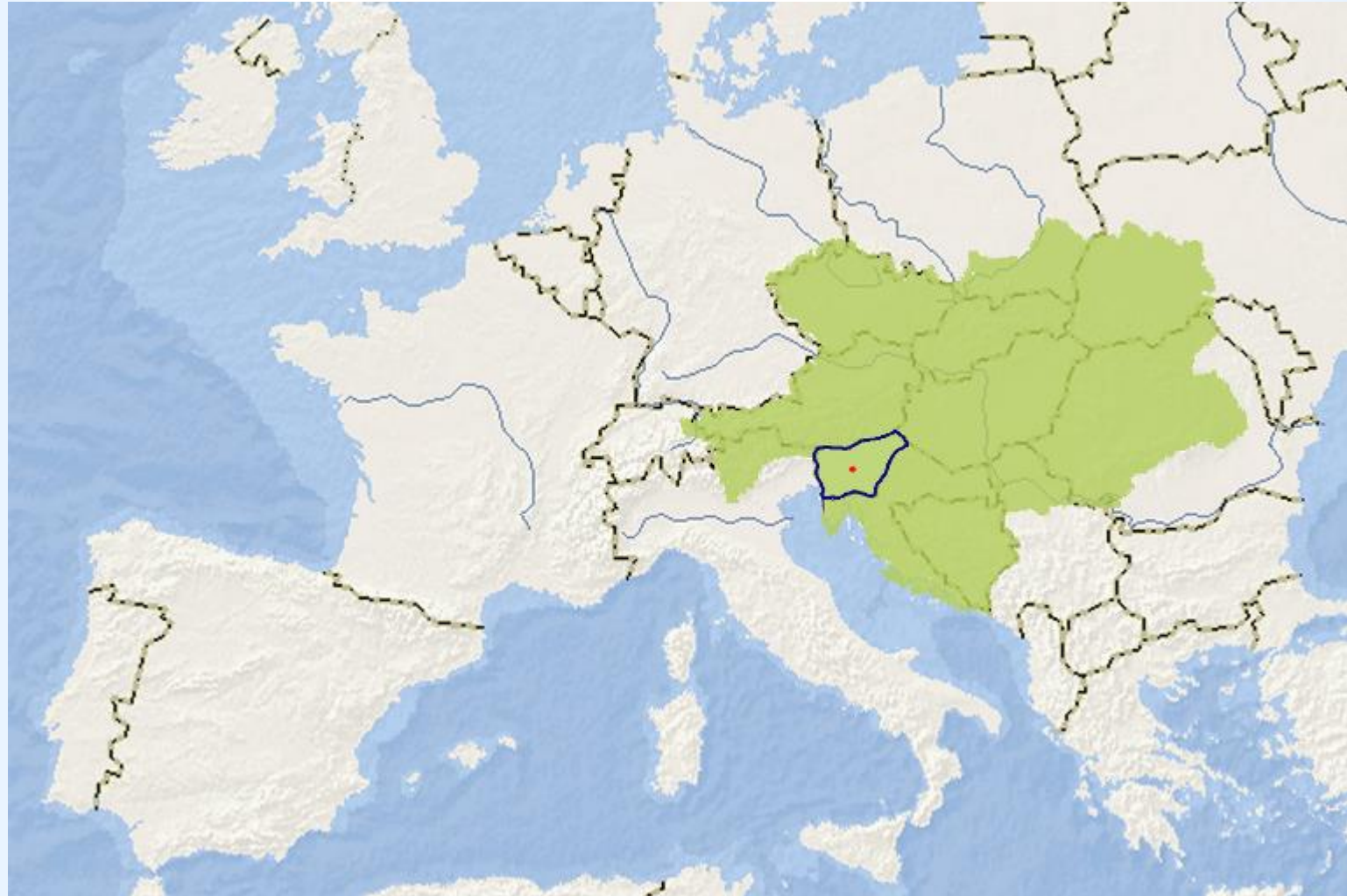
Ljubljana in Slovenia



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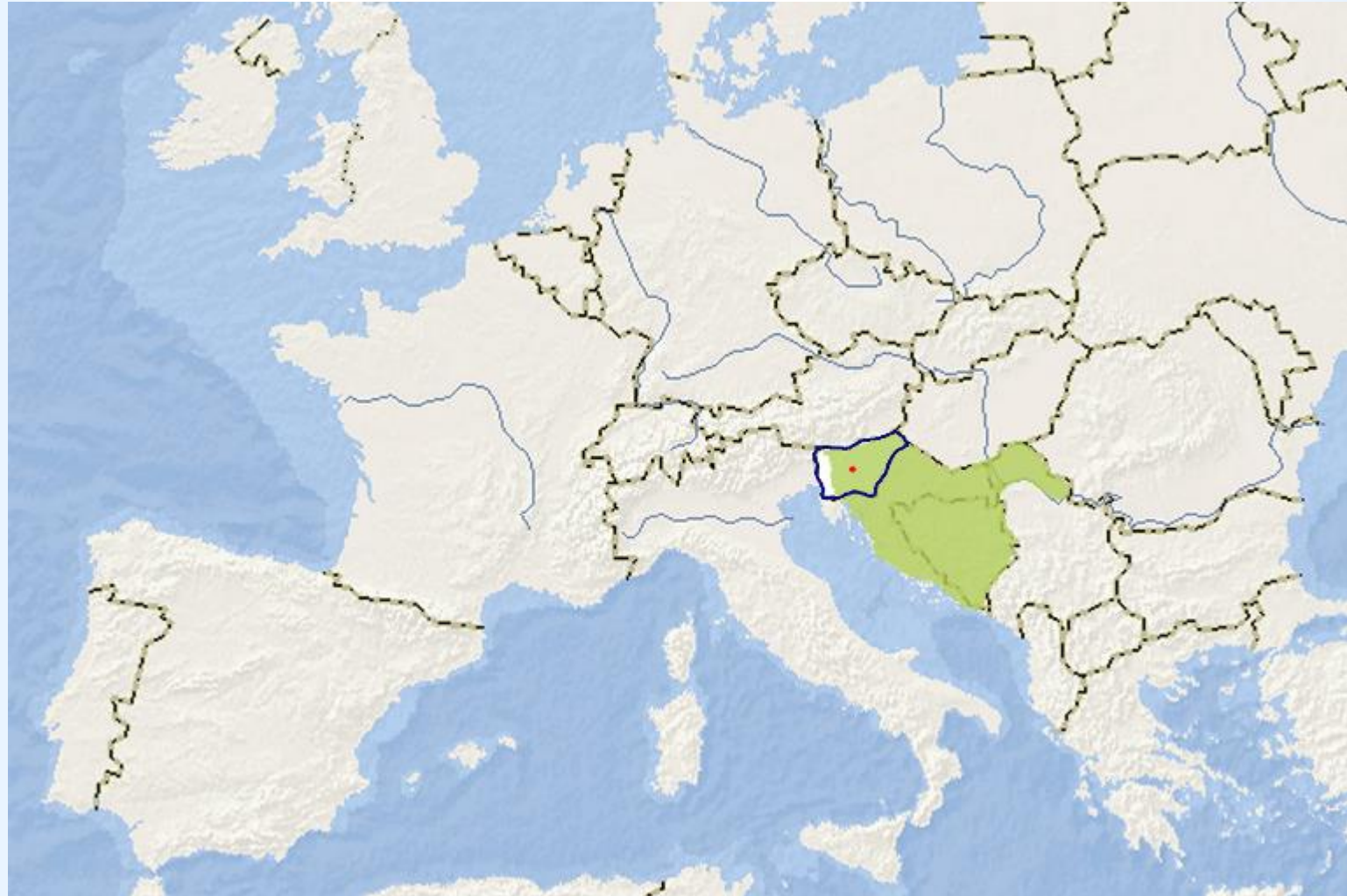
1914 – Austro-Hungarian Empire



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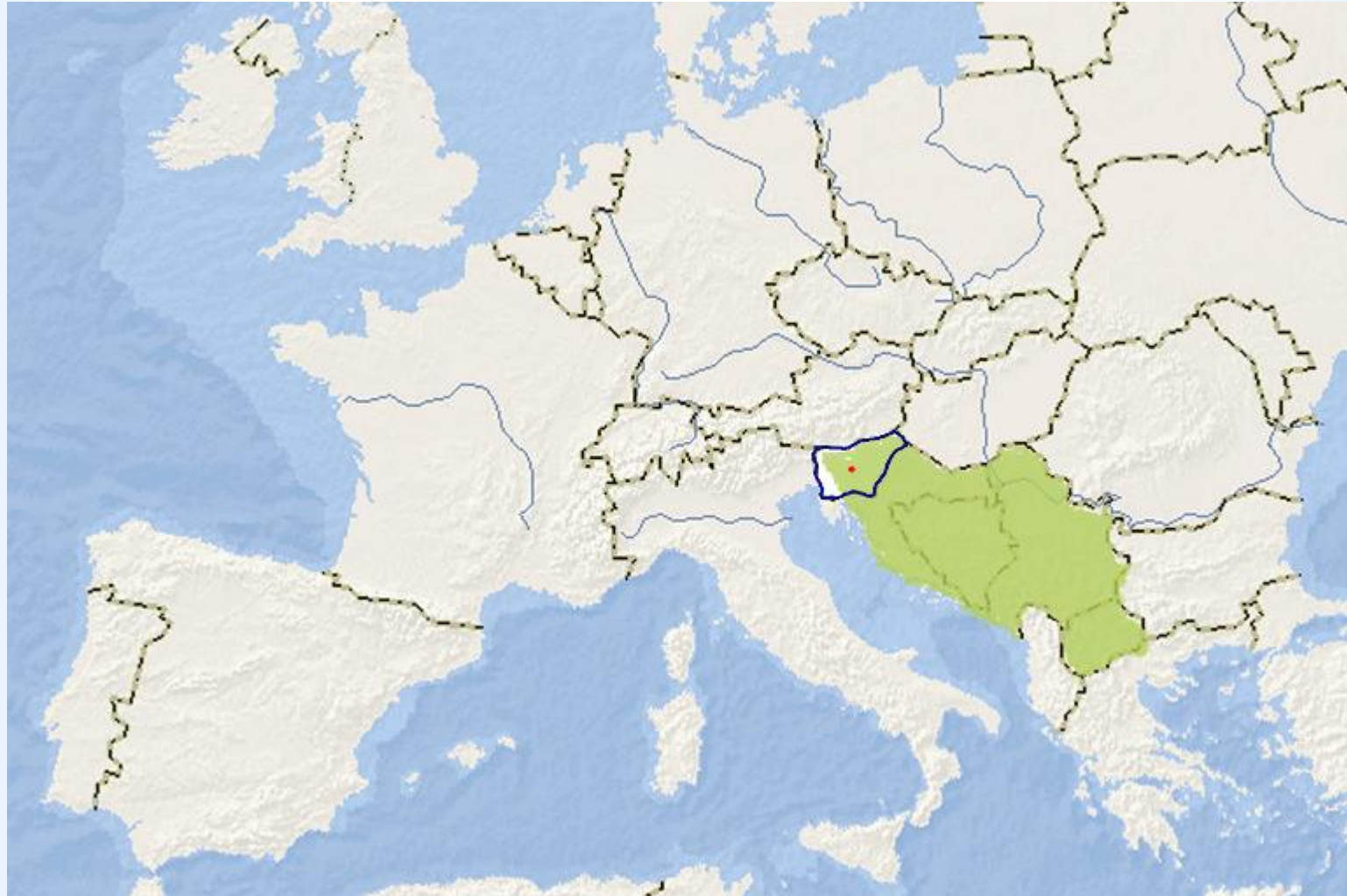
1918 – Slovenia, Croatia, Serbia



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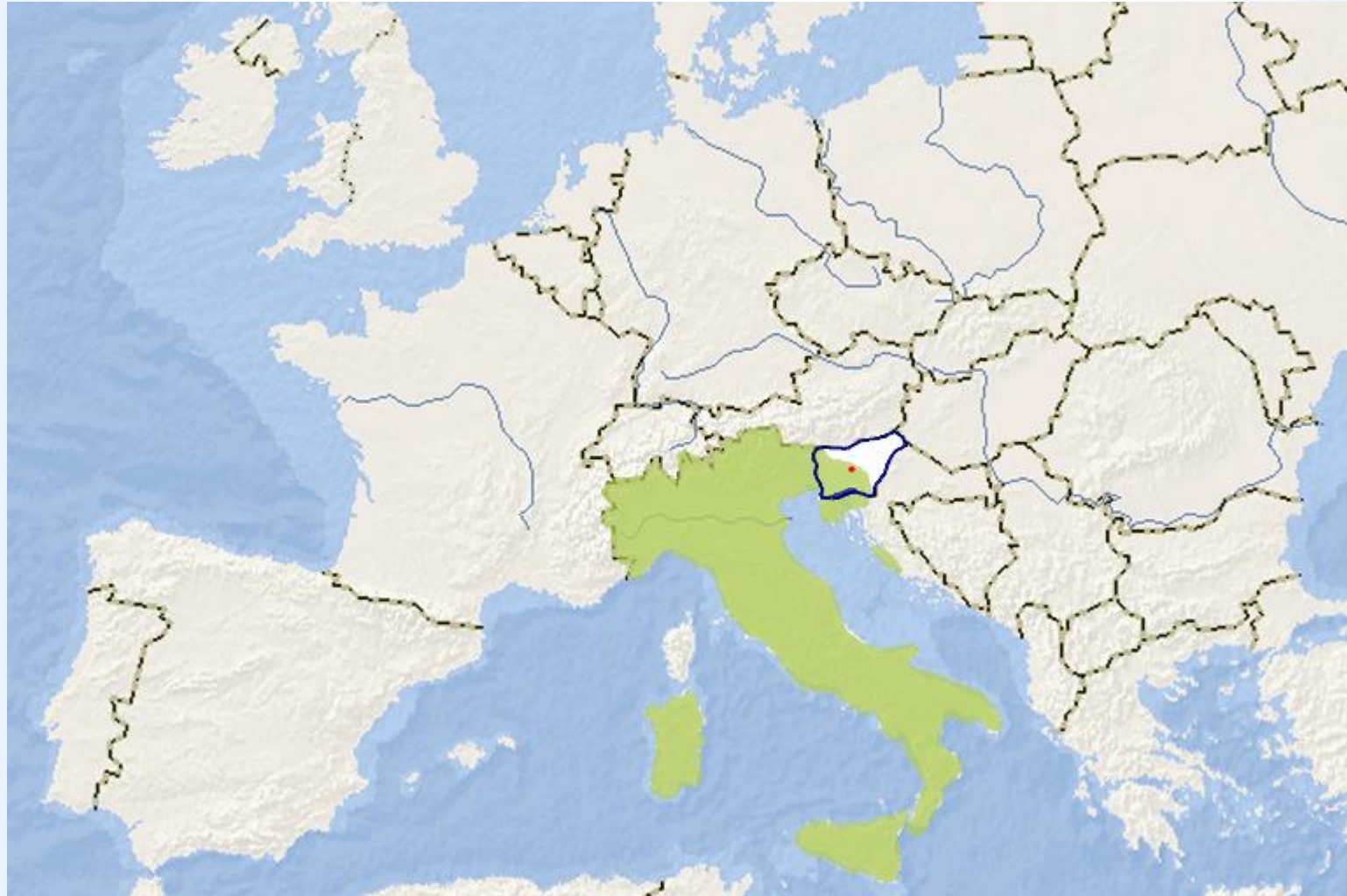
Before 1940 – first Yugoslavia



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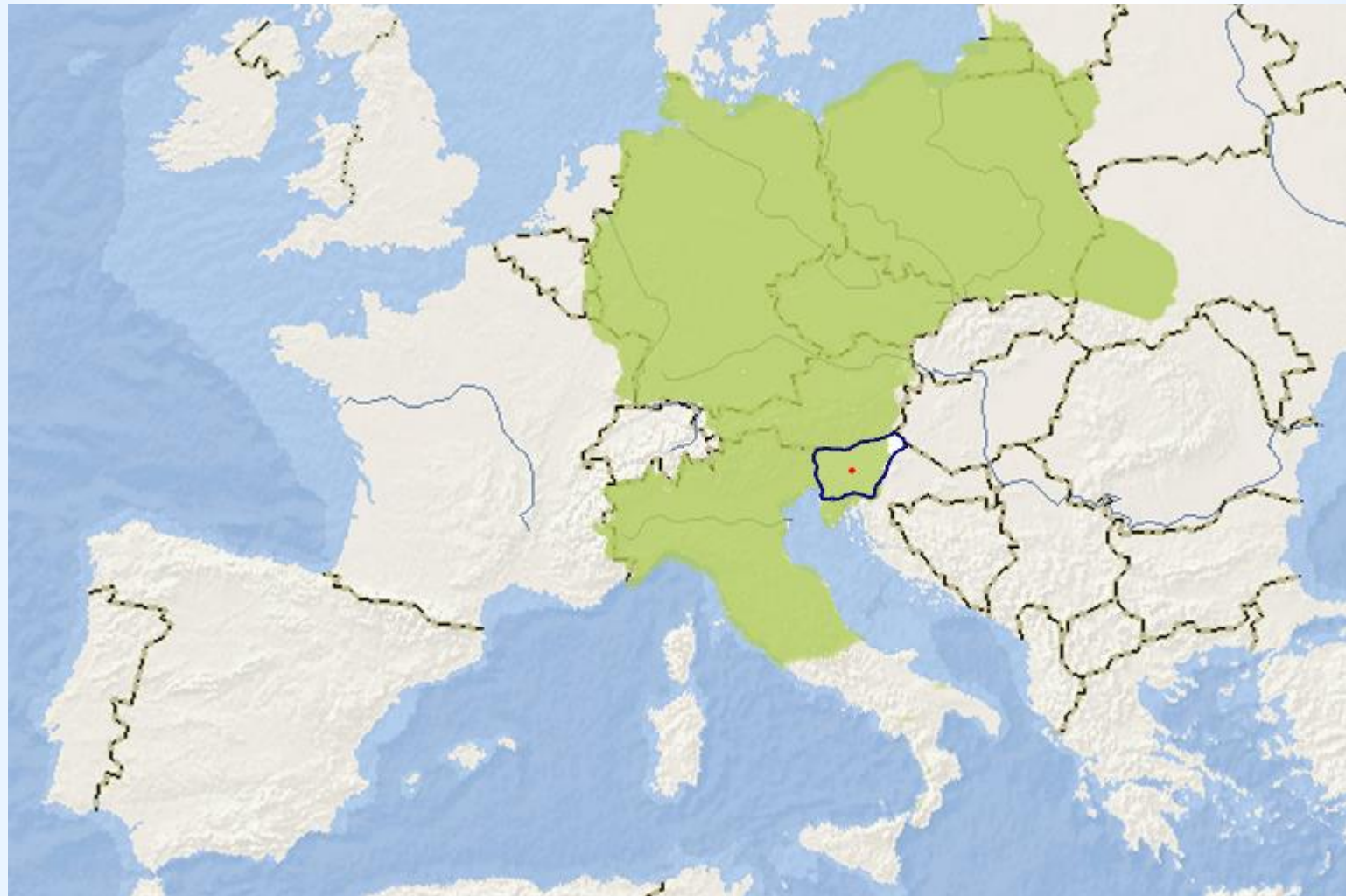
1941-43 Occupation by Italy



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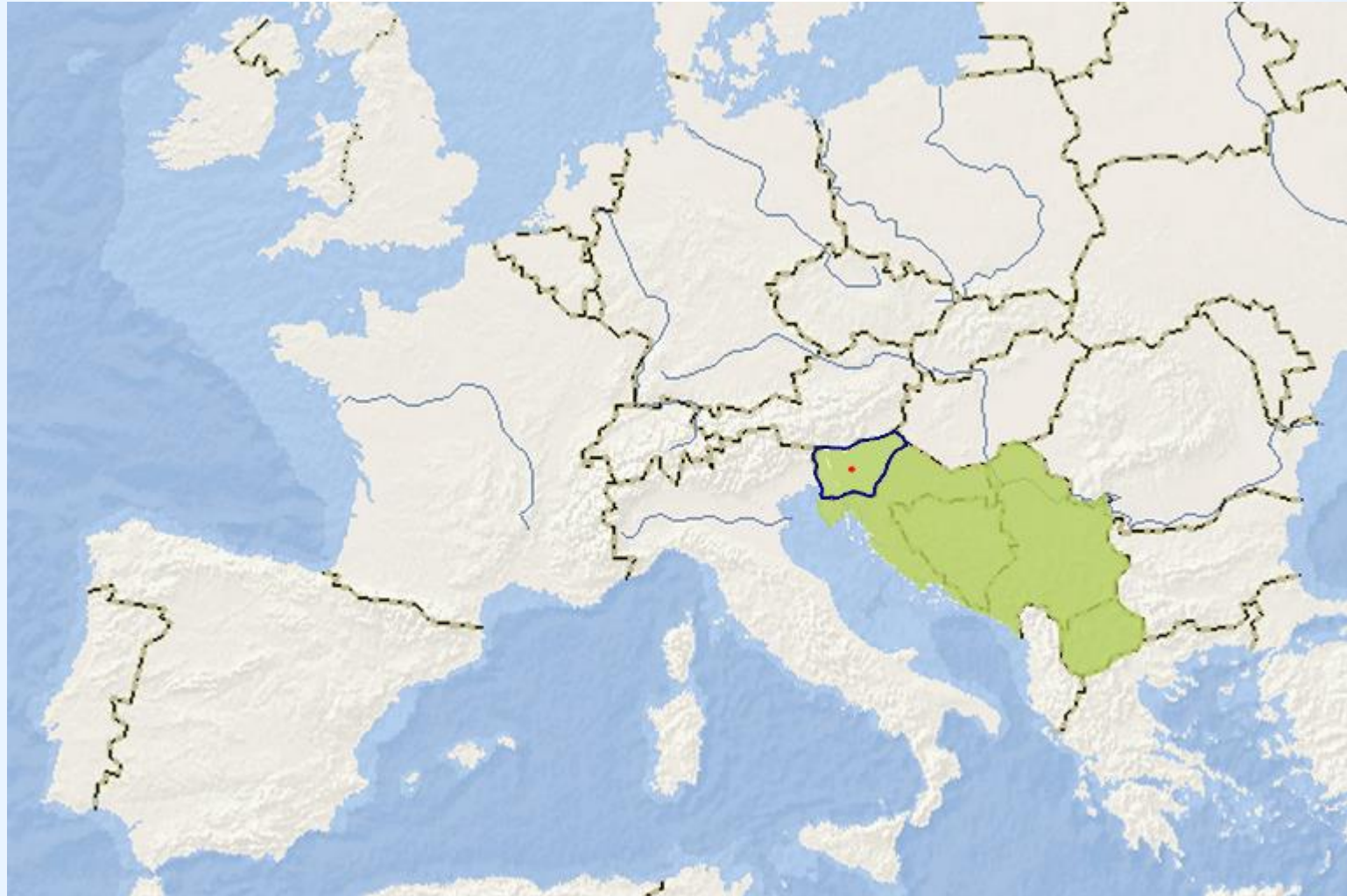
1943-45 Occupation by III Reich



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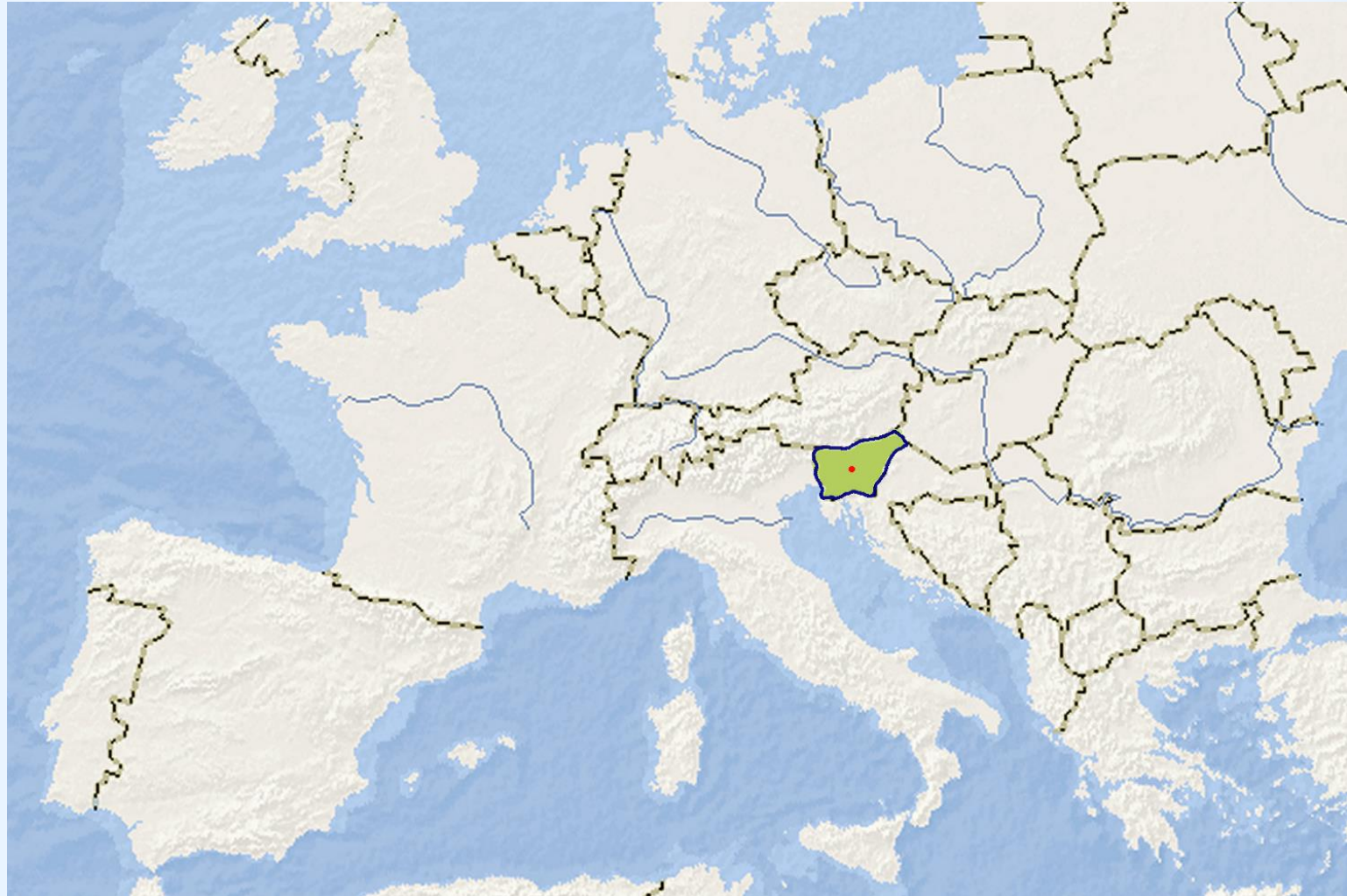
1945-1991 Yugoslavia



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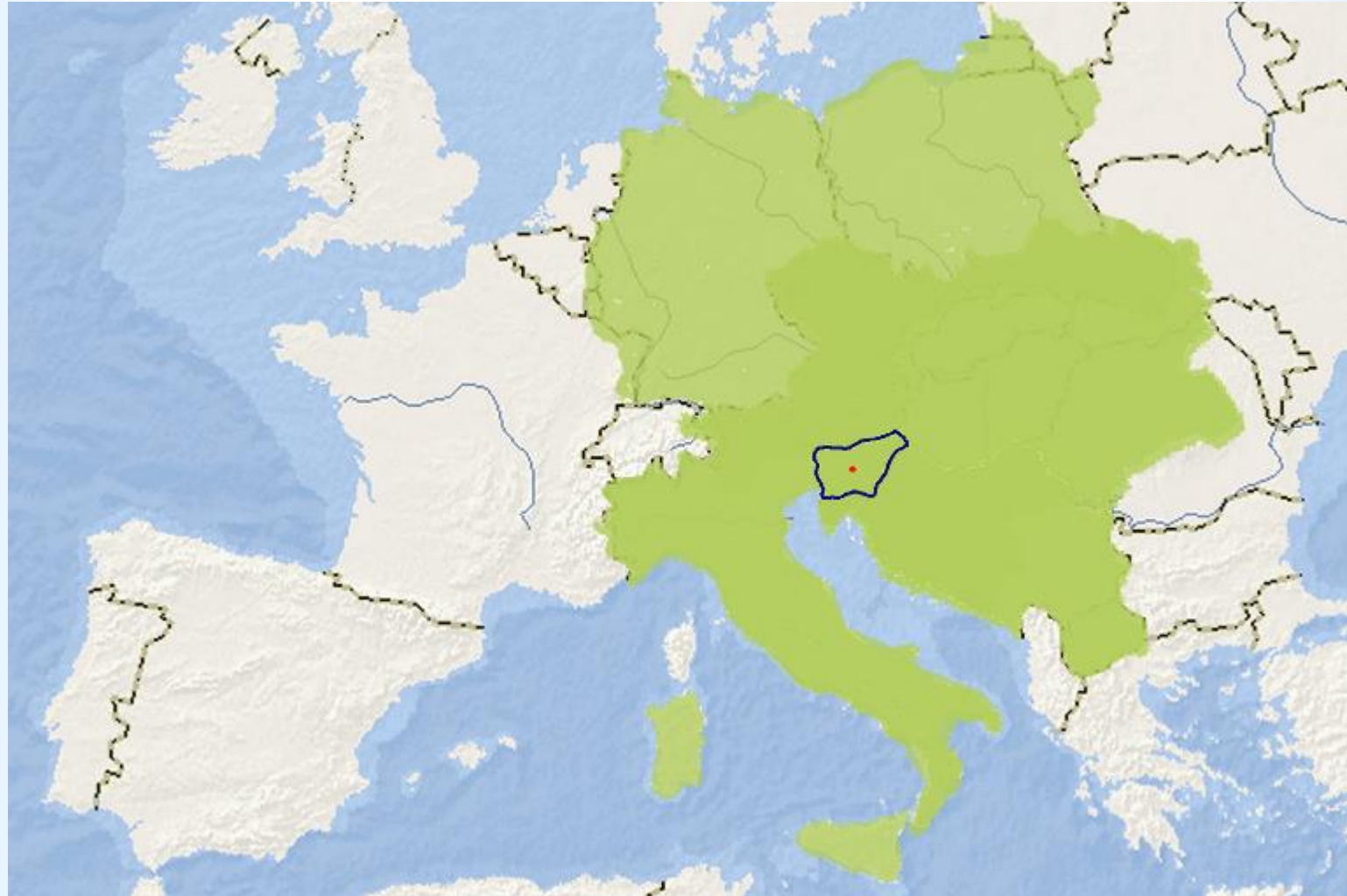
1991 -> Slovenia



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In the last century ...



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Who should take the lead?

- Multinational disposal is great idea ...
- ... but who is ready to take the lead?

- Big countries don't want to bother with small ones
- Small countries have no power to push big ones
- Nobody would like to have it on its territory.

Don't we have European Union and European Commission to help us resolve issues of our common interest?



Public fear – the root problem!

Radioactivity kills!

So does fire, electricity, oil, water, sugar, alcohol ...
but we are not afraid of them!

Why people of the World consider radioactivity to be the most
dangerous thing?

**Somebody should try to understand roots of that phenomena and
try to change human perception of risk from radioactivity to the
same level as is the perception of other risks!**

