

**Small scale hydropower in Latvia:
background information and
analysis**

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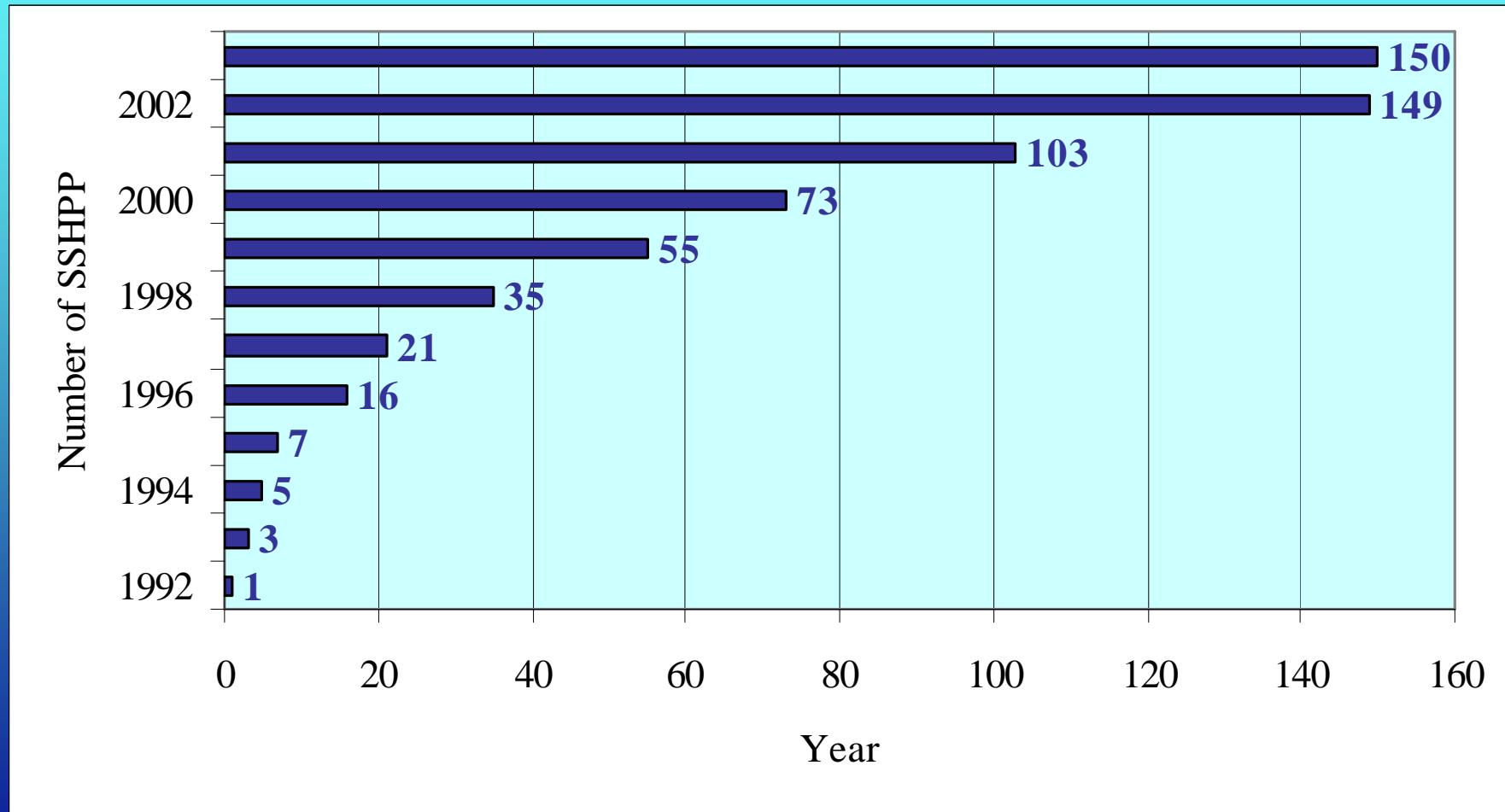
History (1)

- **The use of hydro energy in Latvia was initiated in the beginning of 13th century**
- **Hydro energy was used for different needs like milling of grains, woodworking, wool processing and later for paper and cardboard production**
- **In 1876 first two hydro turbines were installed and produced electricity was used for lighting in the factory and for different working equipment**
- **In 1901 first small scale hydropower plant was built in Latvia**

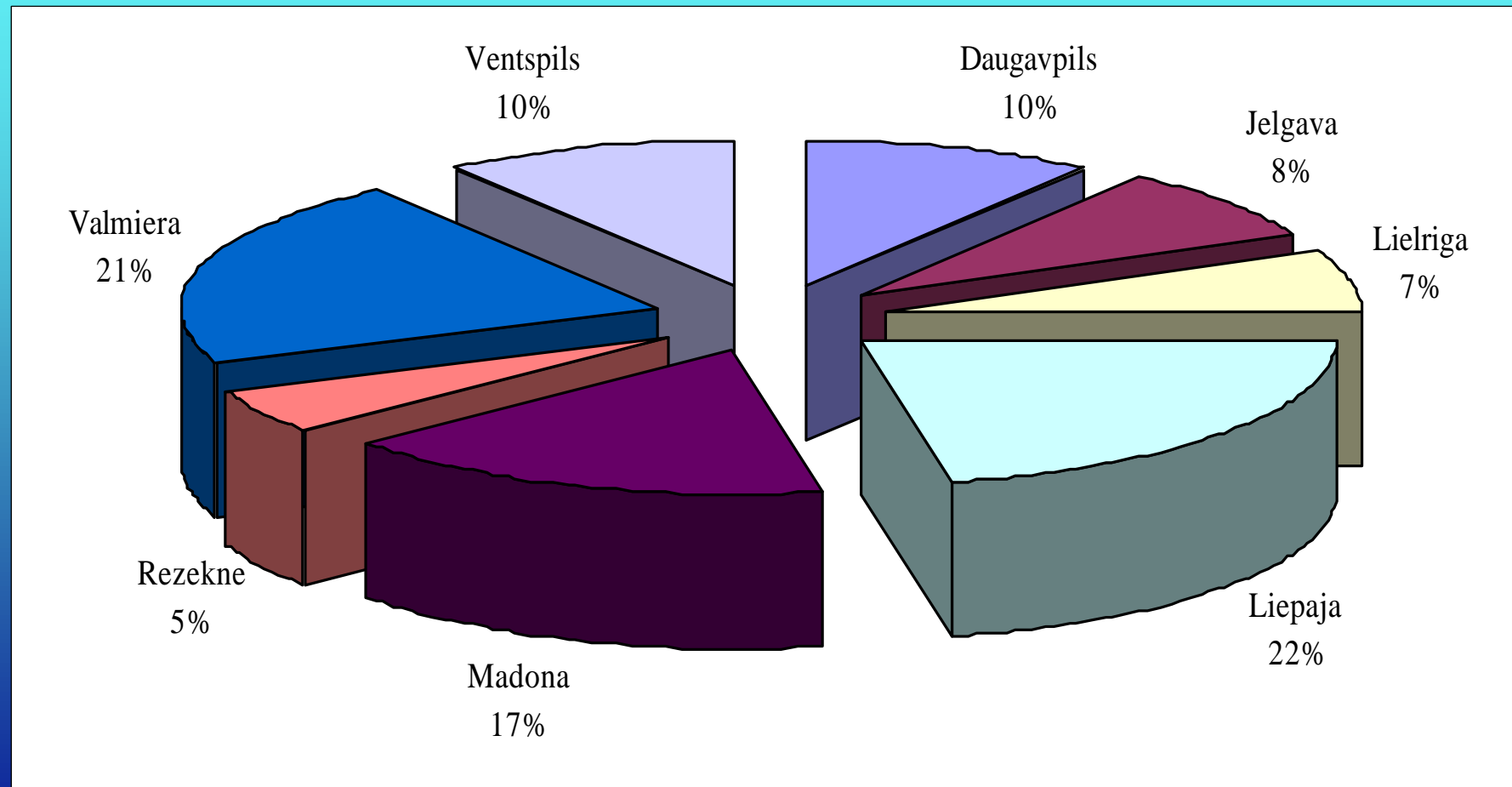
History (2)

- In 1938 already 666 watermills in Latvia were registered
- In 1949, 60 small HPP were operating and 209 electricity generators in the windmills
- In 1992 the ten year period of renovation of small scale HPP started
- In the beginning of 2004 there were 150 small scale hydropower plants in Latvia and in the nearest future is not forecasted increase of number of SSHPP in Latvia

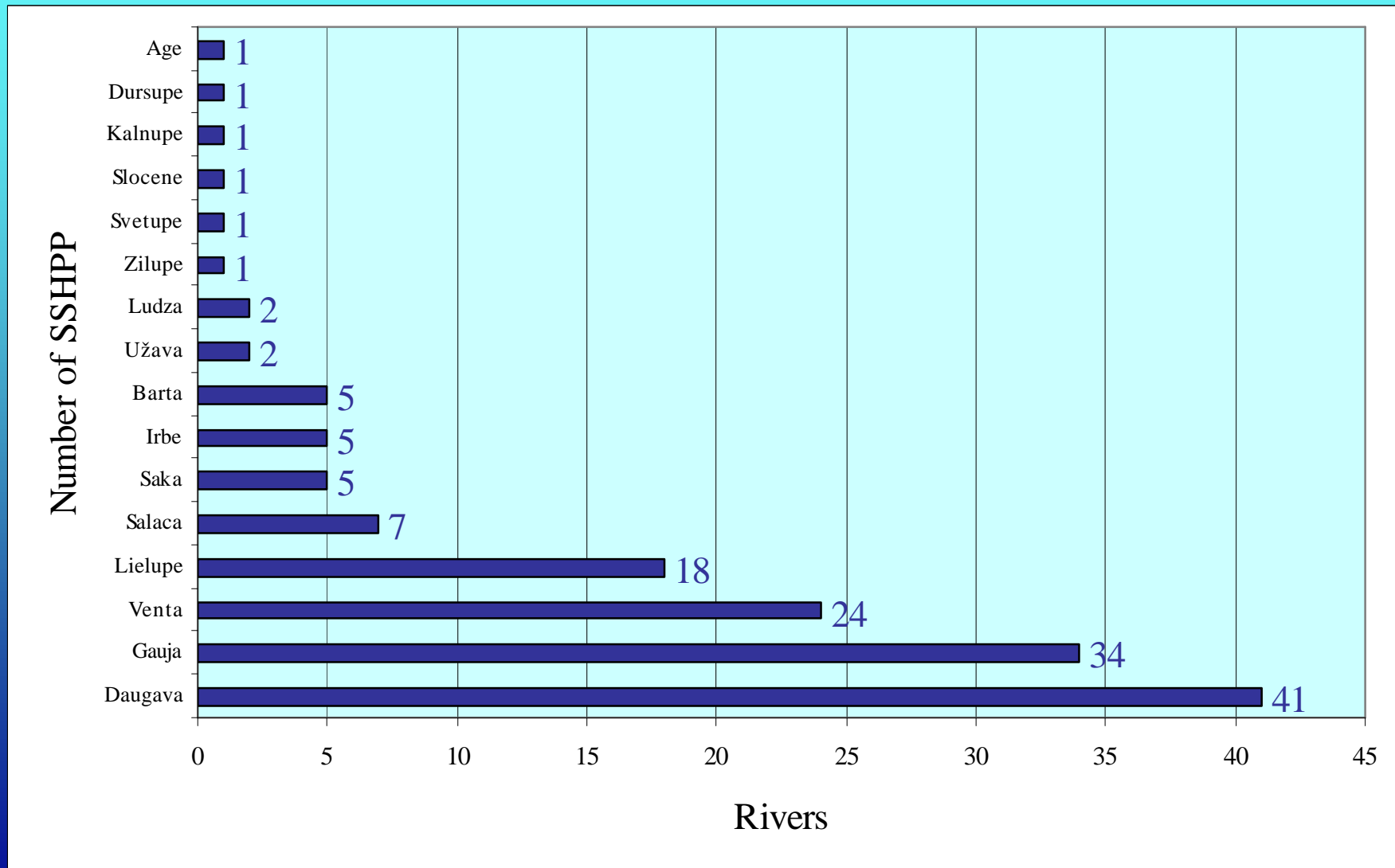
Construction of the small scale hydropower plants



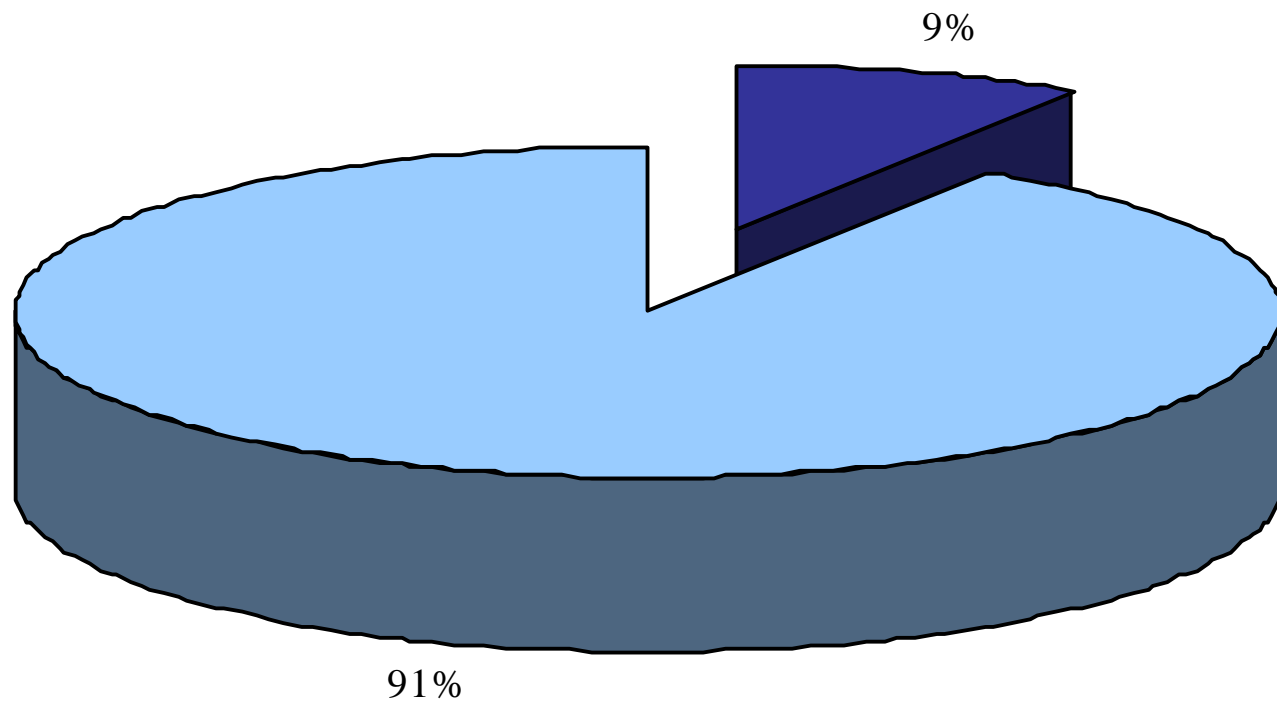
Division of SSHPP between regions in Latvia



Division of SSHPP between different river basins



Proportion of recently constructed and renovated SSHPP



■ new constructions ■ renovated SSHPP

Problems and analysis