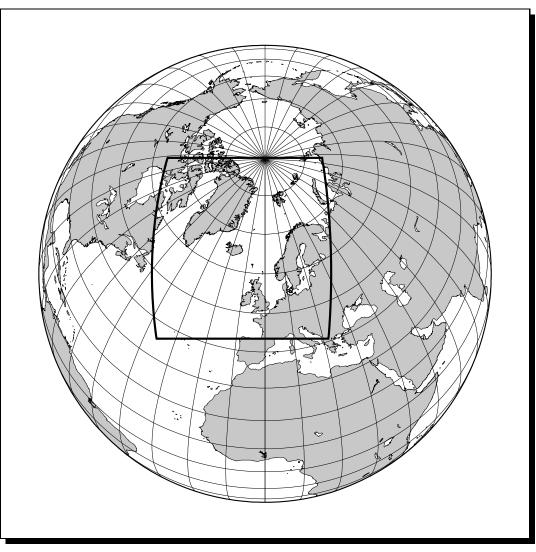
Numerical modeling of particle tracing — a prognostic tool in marine geology Bernd J. Haupt and Karl Stattegger



The model area of SENNA and PATRINNA.

SENNA: **SE**dimentation (Erosion, Transport, and Deposition) in the Northern North Atlantic

PATRINNA: **PA**rticle **Tr**acing **I**n the **N**orthern **N**orth **A**tlantic

## Structure of the talk

- a) What is meant to be modelled and what results do the two models provide?
- b) What requirements does the model have to meet?
- c) Description of the models SENNA und PATRINNA?: flow chart
- d) In what way are the critical velocities at the beginning of the bottom and suspension transport considered?
- e) Model area, grid resolution, topography of the model.
- f) Two modeled scenarios: Rezent/LGM
- g) Problematical areas of the model and *one* possible solution.

