Strål
säkerhets
myndigheten
Swedish Radiation Safety Authority

SE / DSS (NR) / 2009

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DS Toolbox

- ARGOS
- LENA
- RadGIS / Web
- IMBA
- KlangVerk
- SMHI / NEPWeb
- Generalen
- Digital Handbooks

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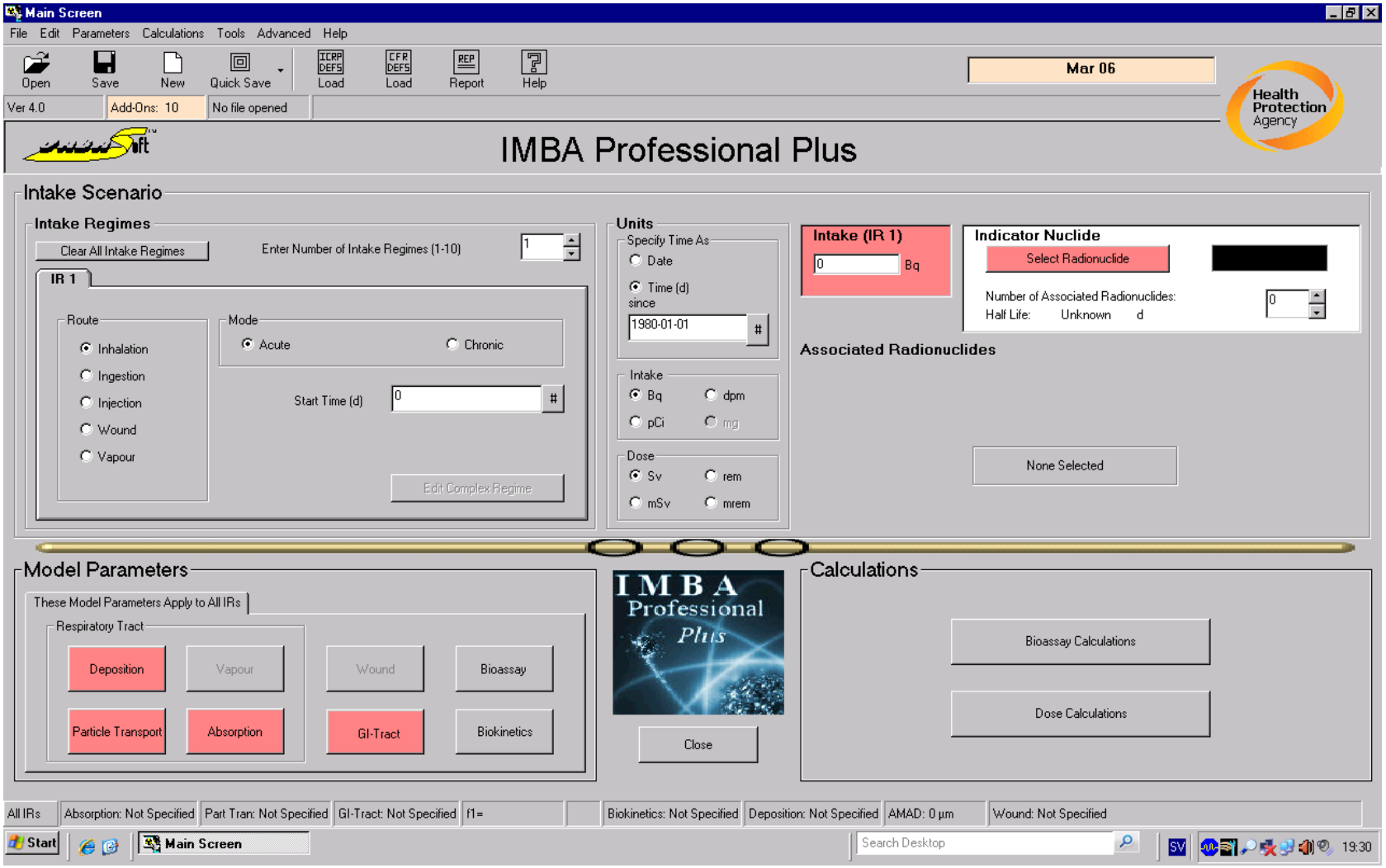
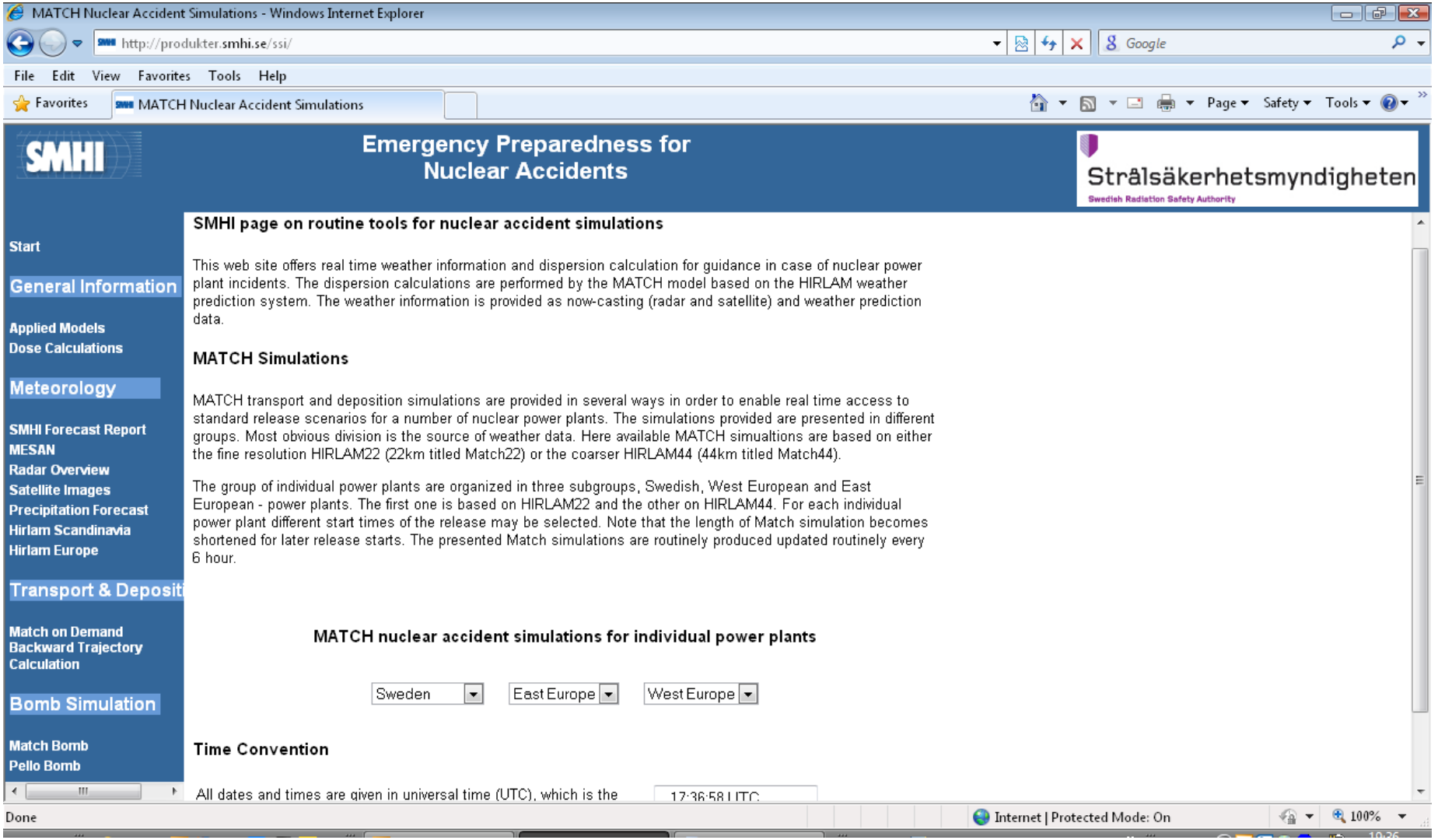
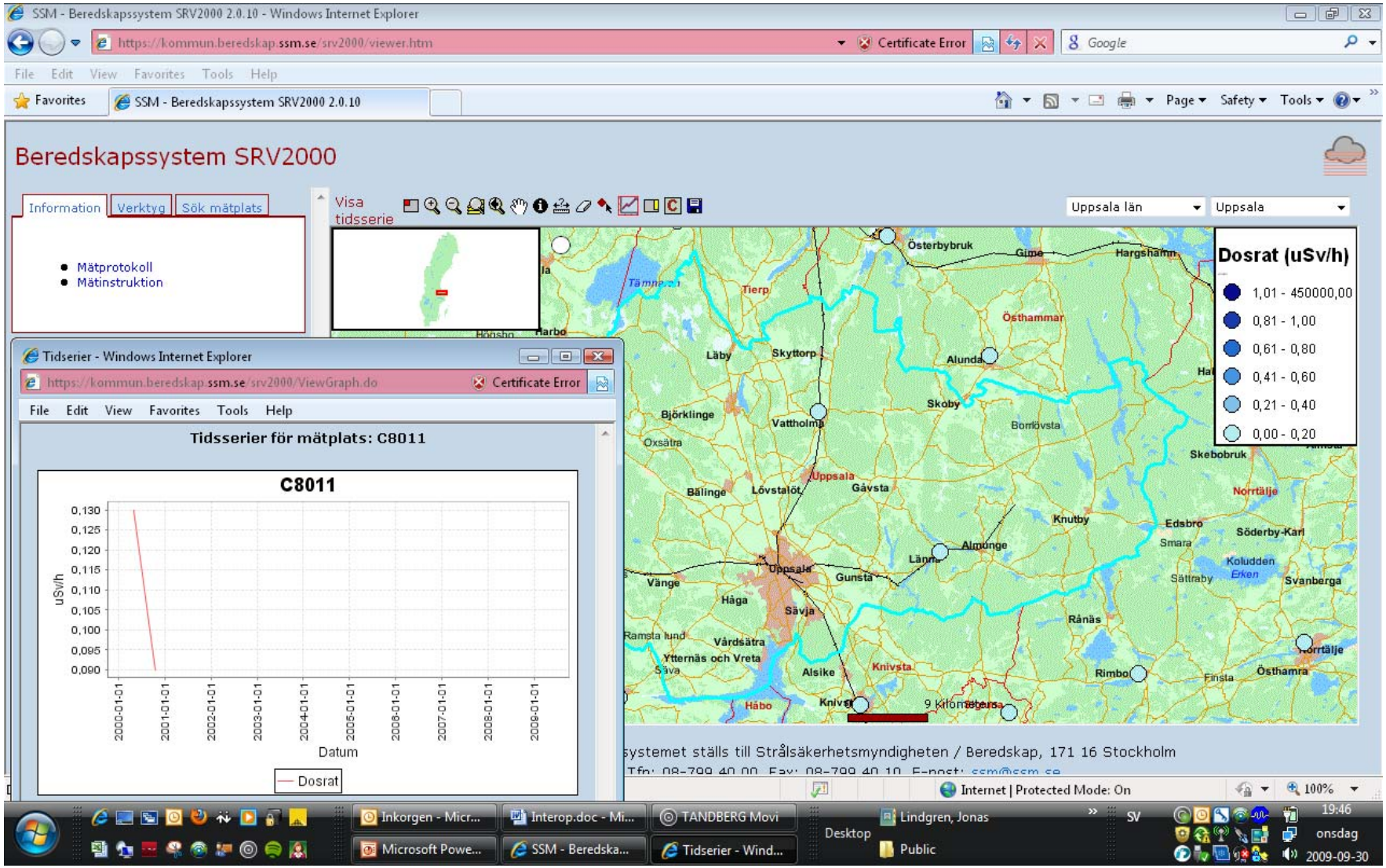
Integrated Modules for Bioassay Analysis



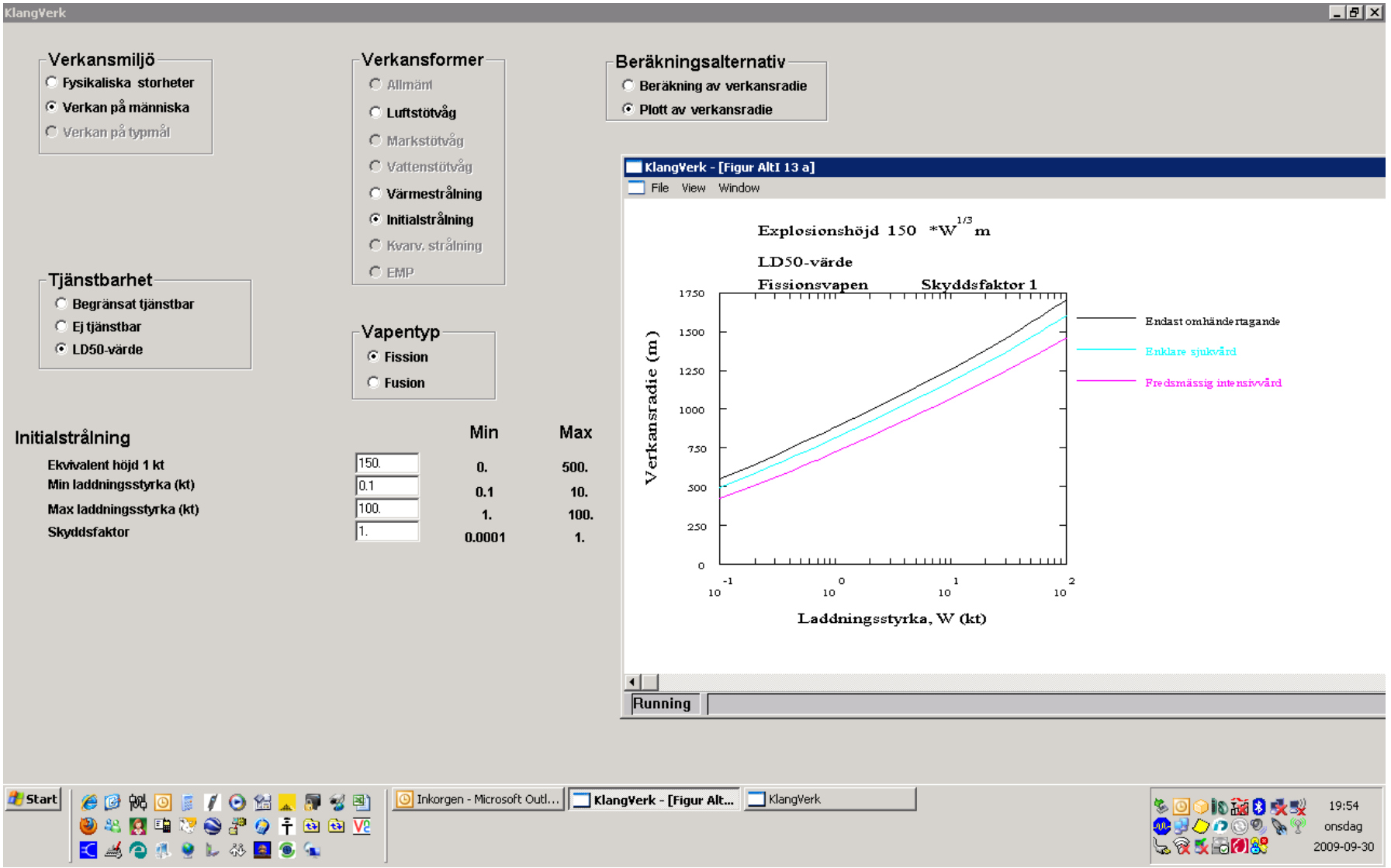
SMHI Nuclear Emergency Preparedness Web



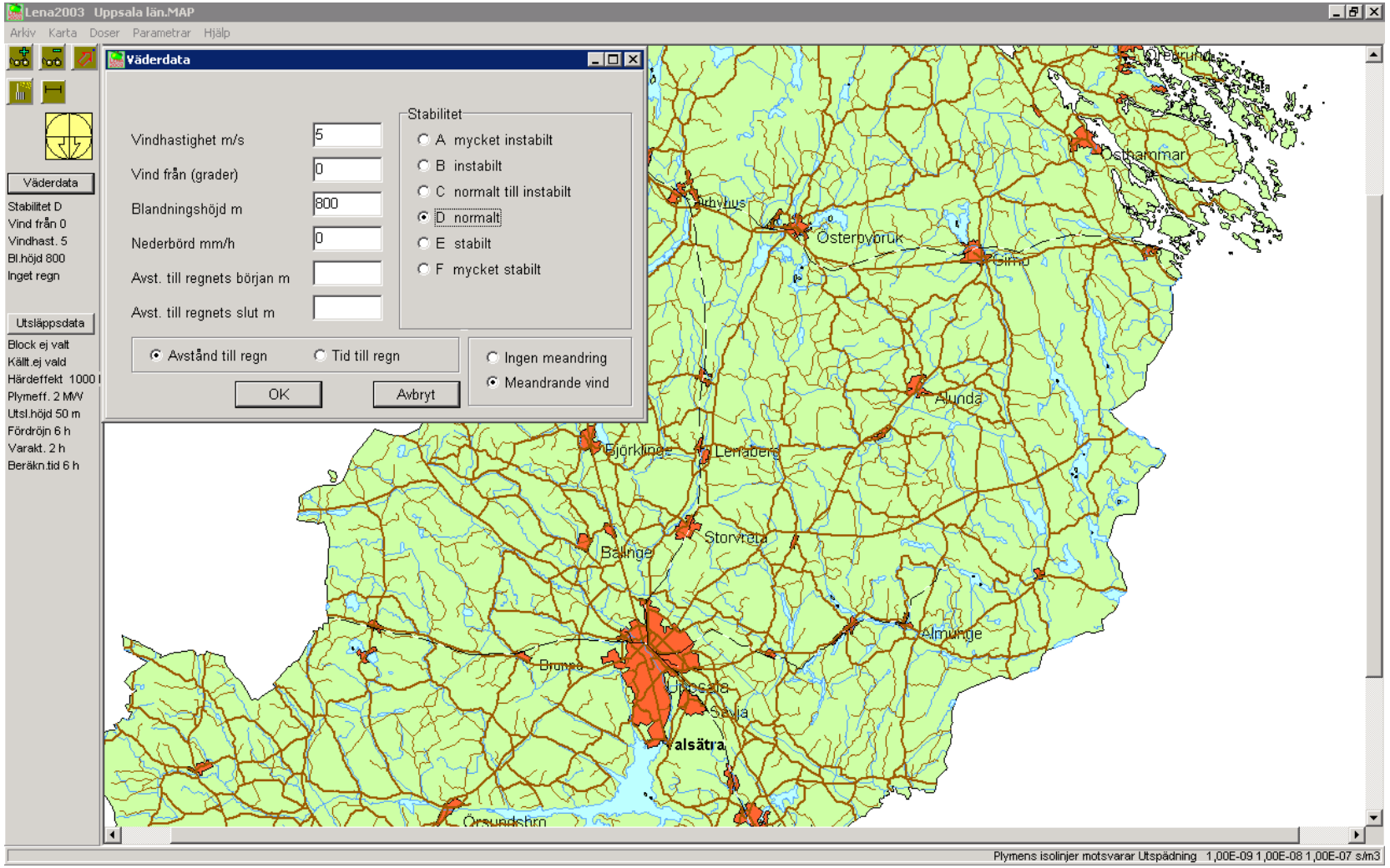
Monitoring Data Web Portals



Effects of Nuclear Weapons



Gaussian Plume Tools



Information Exchange Tools

Mapping of NPPs

Components within Main DSS (Argos)

- Measurement data import, export, storage and display
- Meteorology import, storage and display
- Plume modeling (urban-local-mesoscale)
- Interface for Long-Range modeling and NW modeling
- Food dose modeling
- Countermeasure modeling
- Inversion modeling

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DSS –

Emergency Planning
vs.
Emergency Management

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New Threats – New DSS?

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Traditional NPP accidents still ”core business”

- Improved access to reactor safety parameters => Source term modelling

DSS => EMS?

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Three Basic Questions for EM(S)

- Which tasks must be solved?
- Under which conditions?
- Whith what sustainability?

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Future DSS may be capable of handling information generation and exchange to fulfil obligations under the IAEA Conventions

- IRIX compatibility

  ”*IRIX is not a software application but a defined set of standards, formats and methods for information exchange*”

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