

# Topics in Spatial Statistics ... with Henning as Boss



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Henning Emeritus Seminar, 25/viii/2022

## From vit. ass. at Blindern to SAND at NR

Cand. real. Blindern  $\implies$  six years vit. ass. Blindern: *easy peasy*.

Vit. ass. Blindern  $\implies$  SAND og NR: *elements of ... culture shock*.



For 1983-1989 I was at

♡ Statistisk Analyse av Naturressurs-Data ♡

with **Henning** (boss, mentor, father figure), Jon Helgeland, Erik Mohn, Bjørn Sollie, Vidar Berteig, Eivind Damsleth, Mariken Homleid, Geir Storvik, Lars Holden, Thore Egeland, Petter Mostad, et al. – and also some of my time in other groups, image analysis, pattern recognition, with Bryn Lewellyn, Erik Holbæk-Hansen, Torfinn Taxt, Line Eikvil, Hans Viggo Sæbø, et al.

## At NR, Henning was my ... boss

(Come to think of it, Henning has been my **only boss** in my work career.)

**Culture shock & learning curve:** Not only **Henning** (yes, my boss) but the full NR **seemed to care** – in contrast to Blindern (at the time). They wanted me to have **good working conditions**, and they wanted me to work well.

We had **clients**; they would **phone me at work** (!); they would **pay**; we had **timelister**; we would travel to Stavanger just to discuss work.

Demanding & stimulating, inspiring & scary.

Henning was a clever, demanding, patient, critical **MasterMind** for each of us in SAND.

## Projects with (or close to) Henning

- # Various **geostatistical themes**, with Hydro, Statoil, Phillips Petroleum, Oljedirektoratet, NILU, BP ...
- # **Predicting oil-or-not** based on expert opinions on four components (OD).
- # Do they have **more headache** at Grenland than elsewhere (and how big must  $n$  be for us to say anything) (NILU).
- # **Compaction and subsidence** (Phillips)
- # **Petrophysical parameters** in well logs (Hydro)
- # **Contextual classification** (satellite images, well logs)
- # **Topics in Spatial Statistics** (invited Nils-Henning SJS lectures, with discussants, at NordStat Odense 1992, long paper in SJS)
- # **Regular Cultural Events** (quiz question: hvem innviet pianoet, med hvilket program?)

## My Post-NR work ... with echoes of SAND projects

I've worked with theory & applications for more than 30 years after Henning & NR, with many themes and a broad horizon.

There are certain **correlations with and echoes of** the Henning-SAND-NR years for **some** of these.

- # I'm **spatial**, once in a while – in the **War-and-Peace project** I'm leading at CAS 2022-2023, there will be work on **constructing a relevant distance  $d(x, y)$**  to get spatial models to function well.
- # Once in a while: irregularly sampled time series – which I model with a full  **$Z(x)$** .
- # A paper of mine is **ML, PL, QL in Markov Chains**, with clear results and insights for  **$\dim = 1$** , and where this **may** be lifted to  **$\dim = 2$** .
- # **Hidden Markov Chains** pop up, here and there, also in conflict escalation models.
- # Ideas and models for **geographical context and partial continuity** also pop up.

# Rules for Life (& Work) (perhaps © H. Omre)

This is my ... *interpretation* of explicit & implicit messages and expressed opinions and pieces of conversation, over many years, in many locations and situations.

- # Get to work (and apply yourself).
- # Mix in a few other dimensions (and apply yourself).
- # Keep in shape.
- # Be honest & open & courageous (and open-minded).
- # Vær beredt! (and vær forberedt!).
- # Deliver!
- # Be demanding and critical but also kind.
- # Anticipate potential trouble (and do something with it).
- # If you last till you're 70, without too much trouble, be content.

«Jeg legger åpent fram  
mine innvendinger,  
så krast jeg kan.»

Husk det, Nils!

Dag Solstad.