

**Presentation av kontaktperson / ansvarig i ledningsgrupp / lärare / föreläsare från .....**

Stryk det som inte passar.

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Ämnesområde (Se side 5)  
Geographical Information Science

**Born:** 1957

**Education:**

- 1994: *Dr.Scient*, [PhD eqv.] (GIS) Agricultural University of Norway.  
 1984: *Cand.Polit.*, [MSc eqv.] (Geography), University of Trondheim, Norway  
 1981: *Cand. Mag.*, [BSc eqv.] (Geography, Sociology, History ), University of Trondheim

**Key qualifications:** Natural resource inventories; geographic information systems (GIS); spatial analysis; geographical database management; remote sensing;

**Work experience:**

- 1998 - *Director of Research & Development*, Norwegian Institute of Land Inventory  
 1994 - 1997 *Senior Scientist*, Norwegian Institute of Land Inventory  
 1992 - 1993 *Research Scientist*, Asian Institute of Technology, Thailand  
 1985 - 1991 *Research Scientist*, Norwegian Computing Center  
 1985 *Consultant*, Statistics Norway  
 1981 - 1984 *Teaching Assistant/Research Assistant*, University of Trondheim, Norway

**Affiliations:**

- 1996 - *Professor II* (Adjunct Professor), in Geographical Information Science, Agric. Univ. of Norway  
 1988 - 1991 *Visiting scientist*, Asian Institute of Technology, Pathumtani, Thailand

**Appointments:**

- 1996 - Editorial Advisory Board, *Kart og Plan* (Norwegian Journal of Planning and Cartography)  
 1994 - Referee, Norwegian Research Council  
 1994 - 1997 Steering Committee: European Science Foundation's GISDATA program

**Teaching experience (major courses):**

- GIS for land evaluation and areal planning (DK200), Agricultural University of Norway (Principal instructor) [1995, 1996, 1997×2, 1998, 1999, 2000]
- GIS Project Work (NR.10), AIT, Bangkok [1990, 1991]
- Introductory GIS, 3 week intensive course, AIT, Bangkok (Principal instructor) [1988, 1989, 1990, 1991, 1992]
- Geographic Information Systems (NR.06), AIT, Bangkok (Principal instructor) [1988, 1990, 1991]
- Statistics and computer mapping, Department of Geography, University of Oslo [1986, 1987]
- Geographical methods, Department of Geography, University of Trondheim [1984]
- Various courses in Computer graphics, Cartography and Programming (Fortran, Pascal), University of Trondheim [1982, 1983, 1984, 1985, 1986]

### Refereed articles:

- Solberg, S. & Strand, G-H. 2000. Comparing the geography of changing crown density from two sampling systems for *Picea abies* in Norway, *Scandinavian Journal of Forest Research* **15**: 81 - 86
- Strand, G-H, Økland, T. & Økland, R. Regional variation of change in crown density in spruce forests: a comparative study from three projects in southern Norway, *Norsk Geografisk Tidsskrift (Norwegian Journal of Geography)* **52**: 49-56
- Strand, G-H. 1998. Large-scale variations in radial tree growth in Norway: An application of median polish for spatial trend detection, *Applied Geography* **18**: 153-168
- Strand, G-H. 1998. Kriging the potential tree level in Norway, *Norsk Geografisk Tidsskrift (Norwegian Journal of Geography)* **52**: 17 - 25
- Strand, G-H. 1997. Effects of early summer drought on the crown density of Norway spruce, *Forestry* **70**: 157 - 160
- Strand, G-H. 1997. Cartographic modelling with relational algebra, *Norsk Geografisk Tidsskrift (Norwegian Journal of Geography)* **51**: 61 - 69
- Strand, G-H. 1996. Detection of observer bias in ongoing forest health monitoring programmes *Canadian Journal of Forest Research* **26**: 1692 - 1696
- Strand, G-H. 1995. The geography of changing crown vigour in Norwegian conifer forests, *AMBIO* **24**: 280-285
- Strand, G-H. 1995. Estimation of the difference in crown vigour for 2280 coniferous trees in Norway from 1989 to 1994, adjusted for the effects of aging, *Environmental Monitoring & Assessment* **36**: 61-74
- Strand, G-H. 1993. Resettlement planning using GIS. A case study of Thmarpouk, Cambodia, *Habitat International* **17(3)**: 75-85
- Strand, G-H. 1991. Maps and information systems, *Norsk Geografisk Tidsskrift (Norwegian Journal of Geography)* **45**: 183-188
- Strand, G-H. 1991. An inductive approach to remote sensing in forestry, *Scandinavian Journal of Forest Research* **6**: 425-432

### Conference proceedings:

- Strand, G-H. 1999. Spatial analysis of radial growth of Norway spruce in Norway, in T. Karjalainen, H. Spiecker and O. Laroussinie (eds.) Causes and Consequences of Accelerating Tree Growth in Europe, *EFI Proceedings No. 27, 1999*, 171-178
- Strand, G-H. 1995. Exploring geographical variation in environmental data with bootstrapped probability maps, *Proceedings of the Joint European Conference on Geographic Information*, den Haag 26-31. March 1995, pp. 310-315
- Solberg, R. and Strand, G-H. 1992. Monitoring soil erosion in agricultural fields by optical satellite imagery, *Proceedings of IGARSS'92*, Huston 1992
- Strand, G-H. 1990. An inductive approach to remote sensing of forest, *Proceedings of SNS/IUFRO Remote Sensing/Forest Inventory Workshop*, Umeå 26-28.02.1990
- Strand, G-H. 1988. GIST - A gateway to GIS technology, *Proceedings of the 9th Asian Conference of Remote Sensing*, Bangkok 23-29.11.1988
- Strand, G-H. 1987. CD-ROM. Efficient distribution of data to local planners, in R. Laurini (ed.) *Proceedings from the 12th UDMS symposium*, Blois 1987 (selected as invited paper to the conference)
- Anker, P., Robb, M., Strand, G-H. and Wang, B. 1987. A decision making tool for land evaluation in the developing countries, *Proceedings from Auto-Carto London*, 14-19.10.1986

### Books and Monograph:

- Skagestein, G., Strand, G-H., Løvstad, B. 1997. *Informasjonsbehandling*, J.W. Cappelen Forlag, Oslo, 238 s.
- Strand, G-H. 1994. A Geographical Study of Vitality Changes in Norwegian Conifer Forests 1989-1992, *Doctor Scientiarum Theses 1:1994*, Norges Landbrukshøgskole, 133 pp.
- Strand, G-H. 1991. GIST-2. Geographic Information System Tutorial. Version 2, *NCC Report no. 851*, Norwegian Computing Center, Oslo, 64 pp.
- Strand, G-H. 1990. *Operativsystemet VMS. Brukerhåndbok*, Tapir Forlag, Trondheim, 130 pp
- Strand, G-H. 1989. SUPERMAP. Users Guide, *NCC Report no. 828*, Norwegian Computing Center, Oslo, 70 pp.
- Strand, G-H. 1988. Remote sensing of forest. An inductive approach, *NCC Report no. 819*, Norwegian Computing Center, Oslo, 40 pp.
- Strand, G-H. 1984. *Innføring i VAX/VMS. Brukerhåndbok*, Tapir Forlag, Trondheim, 143 pp.