

"Man wants to know; and when man no longer wants to know, he will no longer be man"

Fridtjof Nansen

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1986 - 2026

FROM IDEA TO REALITY - THE BIRTH OF THE NANSEN REMOTE SENSING CENTER

OLA M. JOHANNESSEN

NANSEN SCIENTIFIC SOCIETY

NERSC 40th ANNIVERSARY SYMPOSIUM 12-13 MAY 2026

BACKGROUND
PROPOSAL
FOUNDATION
CONCLUSION
MESSAGE

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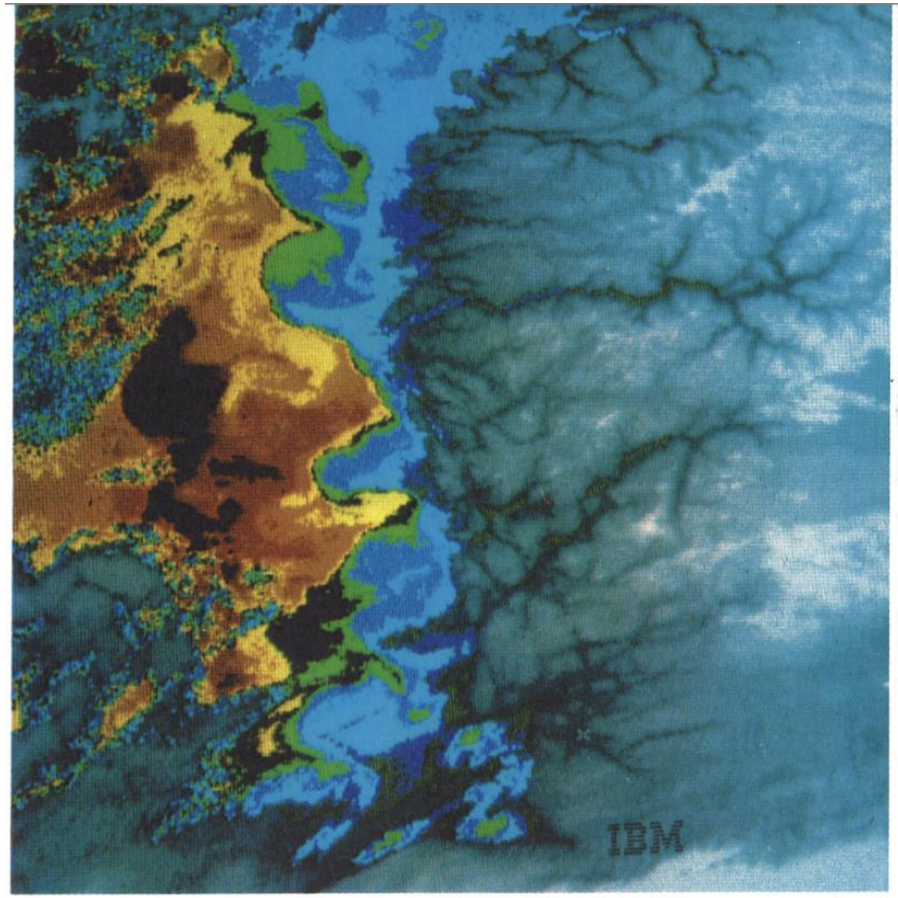
BACKGROUND, REMOTE SENSING EXPERIMENTS

MAY FROST MALTA 71,OCEAN FRONT,UPWELLING
NORSEX 78, BARENTS SEA,NIMBUS 7 EVALUATION
NORSEX 79,NORWEGIAN COASTAL CURRENT
NORSEX 79,MARGINAL ICE ZONE PROCESSES
MIZEX 83/84,MARGINAL ICE ZONE PROCESSES

THESE EXPERIMENTS WERE ALL INTEGRATED USING SATELLITES, REMOTE SENSING AIRCRAFT, IN SITU OBSERVATION BY SHIPS, ANCHORED INSTRUMENTS

MIZEX 84: 8 AIRCRAFTS, 7 SHIPS, 4 HELOS, 200 SCIENTISTS

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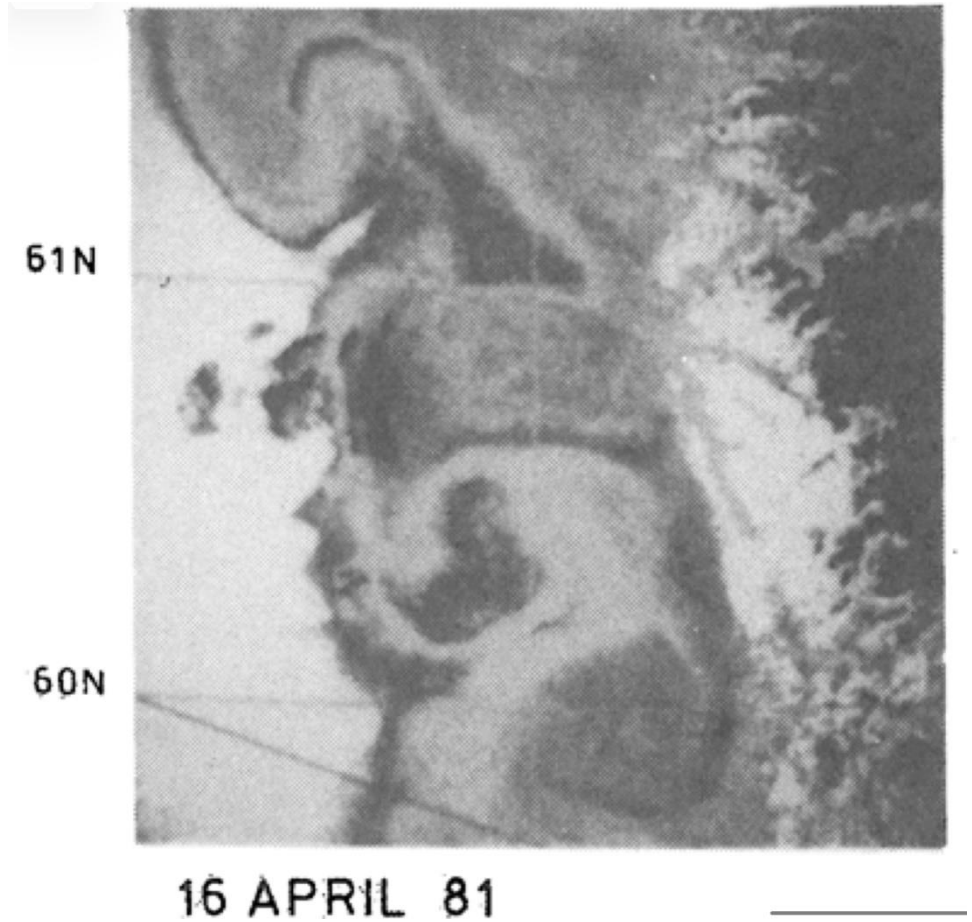


Fig. 23. 16/3 0324 GMT processed on IBM ERMAN System. Temperature is colour coded, with intervals of 0.5°C. Red colour represents Atlantic water of 6°C and light blue represent coastal water of 3°C. Gray colour signifies land masses and clouds. See page 14 for further details.

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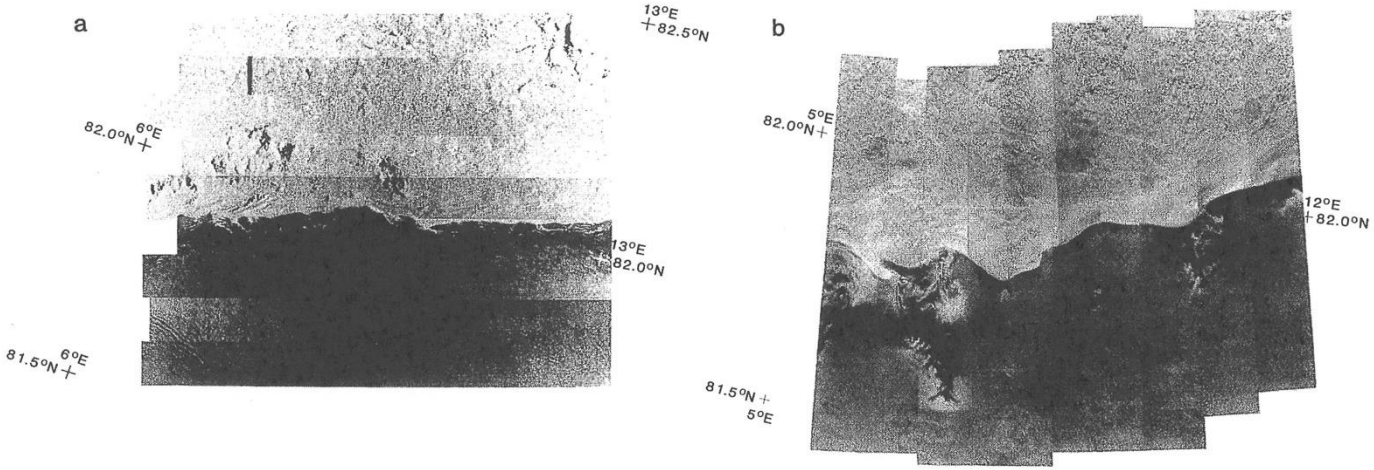


Fig. 5. (a) Image of the marginal ice zone obtained with the SAR (1.215 GHz, horizontal polarization) on 19 September 1979. (b) SAR image of the marginal zone on 1 October 1979.

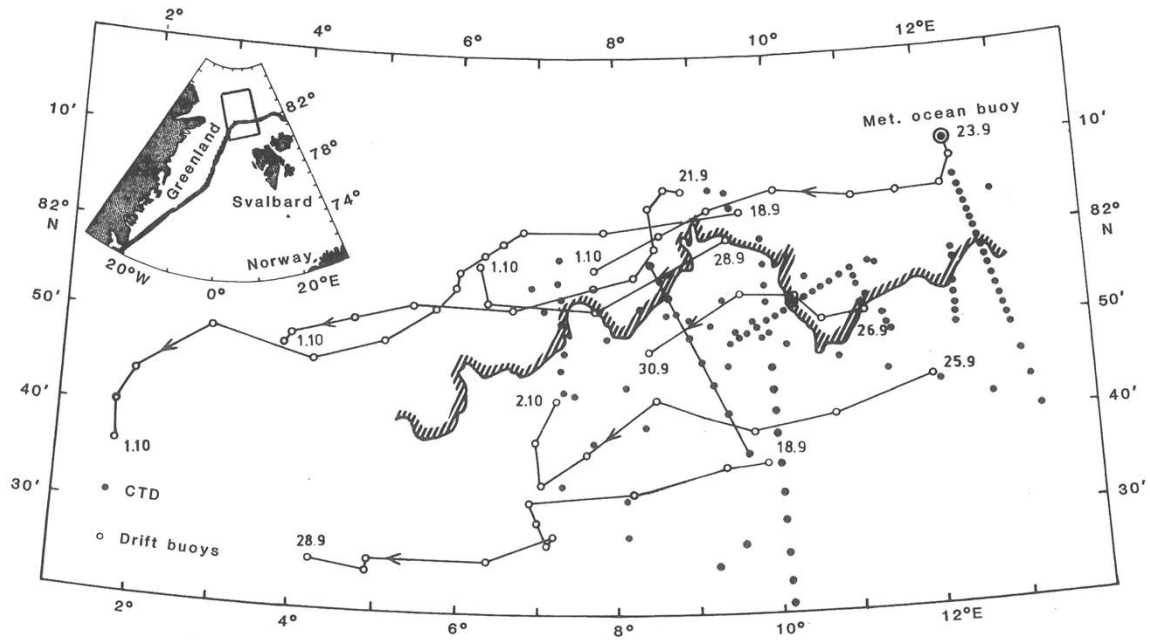
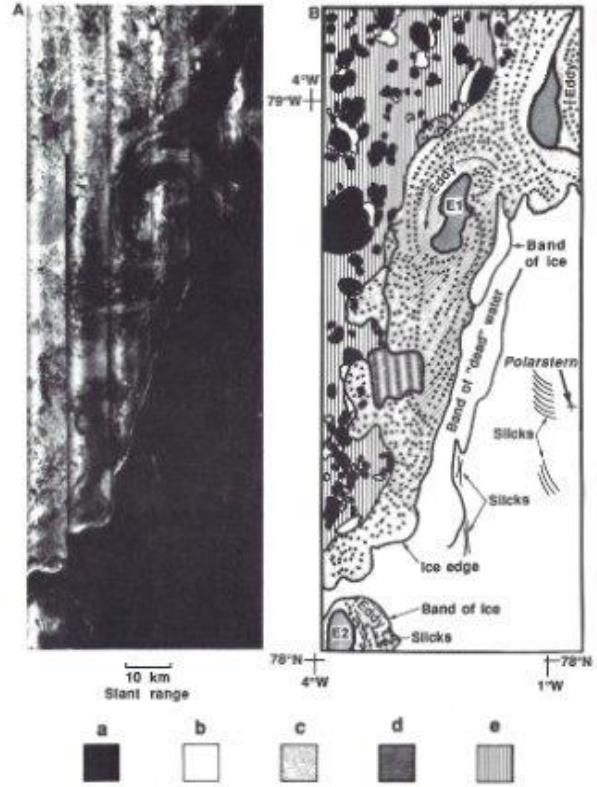
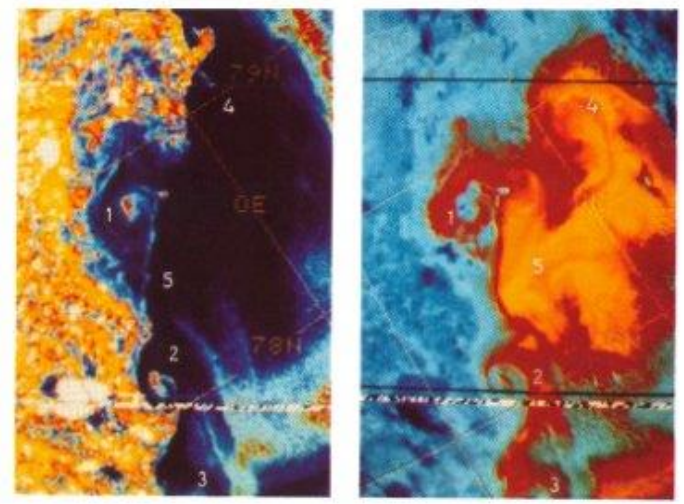


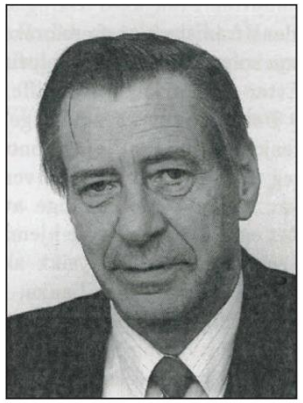
Fig. 1. Schematic representation of the ice edge located by the R.V. *Polarsirkel* on 26–27 September, the CTD stations, and the drift buoys in the experimental area. Inset: map showing the location of the experimental area (box).



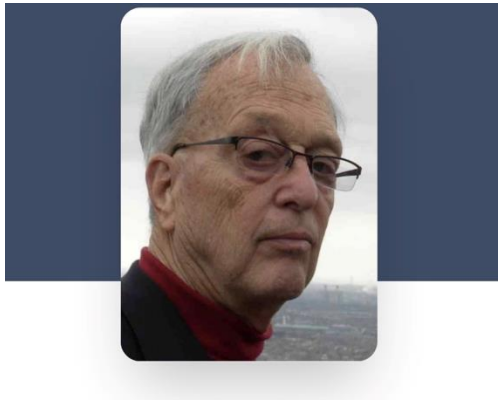




William J. CAMPBELL (1930-1992)



Bjørn J. LANDMARK (1927-2014)



G. Leonard JOHNSON III (1931-2025)



Robert SHUCHMAN

WE ARE VERY GRATEFUL TO THESE SCIENTISTS AND FRIENDS WHO HELPED US TO TO REALIZE OUR EXPERIMENTS

THANK YOU

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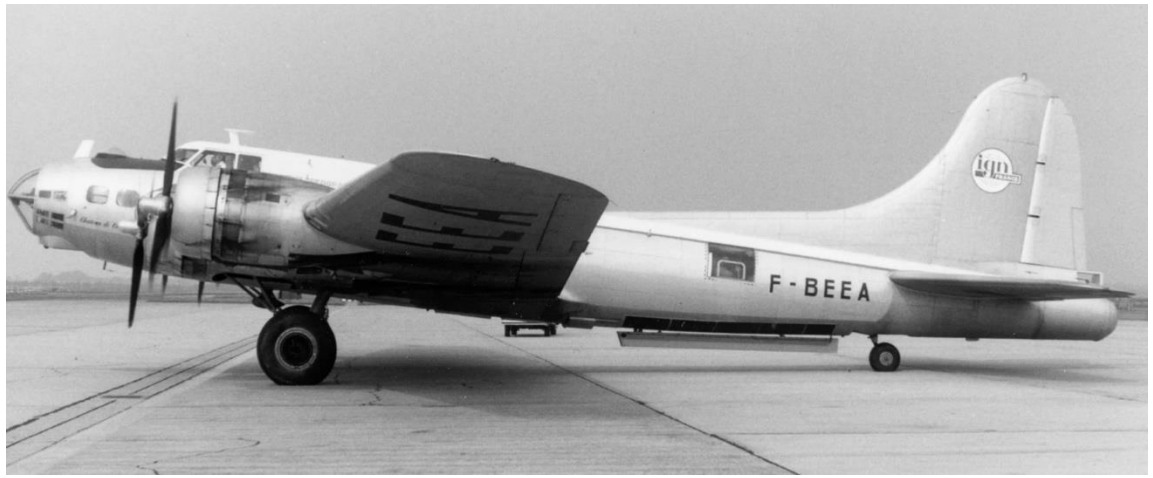
NORSEX 79/MIZEX 83-84 AIRCRAFT











PROPOSAL

THE IDEA OF CREATING A REMOTE SENSING CENTER IN BERGEN STARTED IN 1984

NANSEN CENTER FOR REMOTE SENSING
PROPOSAL BY
OLA M.JOHANNESSEN

SEPTEMBER 1985

WTH CONTRIBUTION BY B. A. FARRELLY, J. A. JOHANNESSEN, E. A. SVENDSEN AND T. I. OLAUSSEN

AIMS:

- MARIN REMOTE SENSING IN METEOROLOGY, OCEANOGRAPHY AND MARINE BIOLOGY
- MARIN GRAVIMETRY FROM SATELLITES
- LAND AND COASTAL GEOLOGY WITH FOCUS ON OIL GEOLOGY
- PARTCIPATION IN REMOTE SENSING EDUCATION AT UNIVERSITY OF BERGEN
- WHY THE NAME NANSEN

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FOUNDATION

THE NANSEN REMOTE SENSING WAS FOUNDED ON 16 NOVEMBER 1986 AT OUR NEW 600M^2 OFFICE AT EDWARD GRIEGS ROAD WHICH CHRISTIAN RIEBER GRANTED TWO YEARS OF FREE RENTAL.

THE FOUNDERS WERE

UNIFOB/UNIVERSITET I BERGEN

G.C.RIEBER & CO.A/S, BERGEN

TENNECO OIL CO. NORSK, STAVANGER

THE VISON OF THE NANSEN CENTER

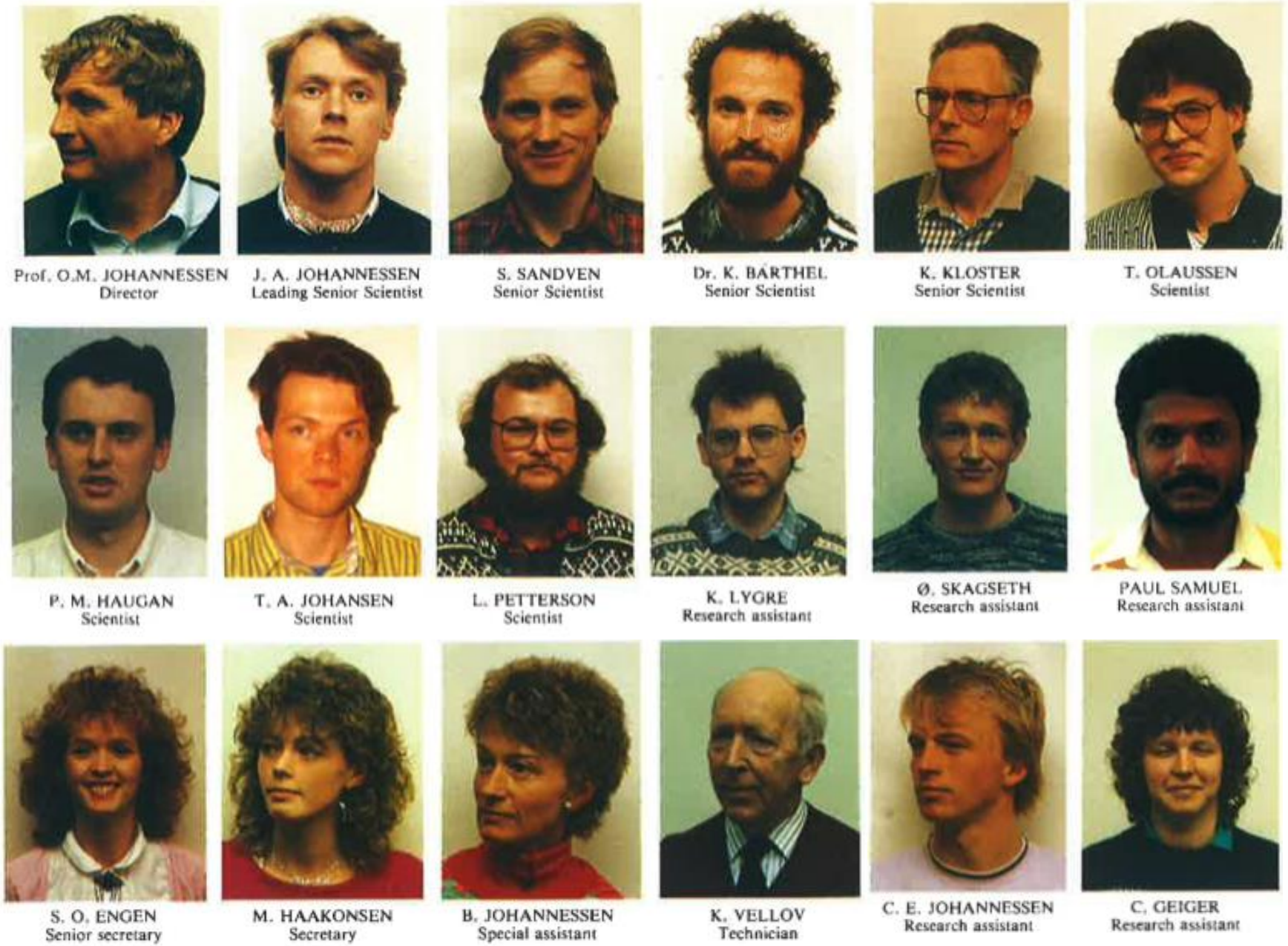
- **TO PERFORM INTERDISCIPLINARY RESEARCH AND DEVELOPMENT FOCUSING ON REMOTE SENSING AND MODELLING OF THE ENVIRONMENT**
- **OFFER SERVICE AND RESEARCH PROJECTS TO GOVERNMENT AND INDUSTRY**
- **COOPERATION WITH UNIVERSITY OF BERGEN IN RESEARCH AND EDUCATION**
- **THE CENTER WAS OFIFICIALLY OPENED ON 16 OF JUNE 1987.**

ACKNOWLEDGEMENT

- **MAGNE LERHEIM, ARNFINN GRAUE, SVERRE SPILDO, KRISTEN HAUGELAND, ULF LIE, IAN DUNDAS, CHRISTIAN RIEBER, BJART NYGAARD, BJØRN J. LANDMARK, JAN A.ANDERSEN INCLUDING MY REMOTE SENSING GROUP AT THE GEOPHYSICAL INSTITUTE AT UIB**

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THE STAFF IN 1987



Prof. O.M. JOHANNESSEN
Director

J. A. JOHANNESSEN
Leading Senior Scientist

S. SANDVEN
Senior Scientist

Dr. K. BÄRTHEL
Senior Scientist

K. KLOSTER
Senior Scientist

T. OLAUSSEN
Scientist

P. M. HAUGAN
Scientist

T. A. JOHANSEN
Scientist

L. PETTERSON
Scientist

K. LYGRE
Research assistant

Ø. SKAGSETH
Research assistant

PAUL SAMUEL
Research assistant

S. O. ENGEN
Senior secretary

M. HAAKONSEN
Secretary

B. JOHANNESSEN
Special assistant

K. VELLOV
Technician

C. E. JOHANNESSEN
Research assistant

C. GEIGER
Research assistant

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CONCLUSION

- THE NANSEN CENTER HAD AT THE END OF 1987 A STAFF OF 22 INCLUDING SCIENTISTS, STUDENTS AND ADMINISTRATION WITH AN INCOME OF 7 MILL. NOK
- IN 2026 THE NANSEN CENTER WILL HAVE 75 EMPOYEES FROM 24 NATIONS AND MORE THAN 100 MILL. NOK IN INCOME WITH TORE FUREVIK AS DIRECTOR
- CONGRATULATION WITH THE 40 YEAR CELEBRATION



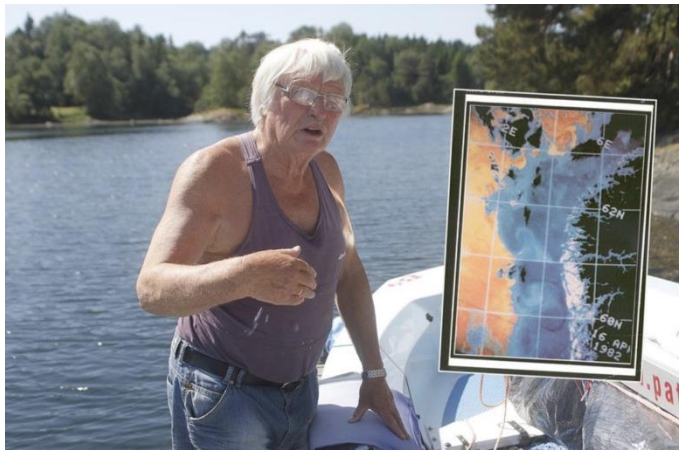
GO FOR IT!

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MESSAGE

- *YOU MUST BE SIENCE DRIVEN*
- *YOU MUST BE DEDICATED TO SCIENCE*
- *YOU MUST WORK HARD*
- *YOU MUST PUBLISH*

--omj, 16 june 1987



YOU MUST ALSO DO OUTREACH

GOOD LUCK

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