



State of polarization-based sensing on optical fibre

Infoshare

WP6 Task 1 Fibre sensing sub-task

12 Feb 2026

Optical Fibre Sensing Technologies

DFOS

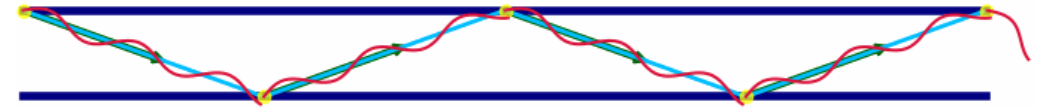
Distributed Fibre Optic Sensing



Uses reflections from impurities in the fibre when a laser light hits the side, to measure strain.

FTS

Forward based Transmission Sensing



Uses the changes in position of the laser light as it exits the fibre to detect changes made to the cable the laser light travels through.

Agenda

- Novoptel – Benjamin Koch
- Tampnet - Steinar Bjørnstad
- Nokia - Annalisa Morea
- CESNET – Jan Radil
- Discussion and wrap up



Thank You

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