## NAVOLCHI

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## Milestones and Deliverables

| MS40 | Individual plasmonic devices <br> characterization, testing and <br> evaluation | WP 6 | TU/e | $04 / 2014$ |
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| D6.1 | Report on characterization results <br> of all plasmonic devices | WP 6 | TU/e | $01 / 2014$ |

$\rightarrow$ Delay due to lack of results

## Etching recipe Improvement by RF power

- Vertical etching: less than 1 degree!


Normal recipe:


- Next: achieve etching with thick hard mask


# Re-optimization of grating coupler for freespace coupling with high NA lens ( $\mathbf{2 5}^{\circ}$ max) 






Technische Universiteit

- Dissemination:
- Talk at IPR: Efficient metal grating coupler for membrane-based integrated photonics, V. Dolores Calzadilla, A. Higuera-Rodriguez, D. Heiss, M. Smit, Oral participation, IPR 2014.
- Main bottleneck in our clean room at the moment: EBL is often down

