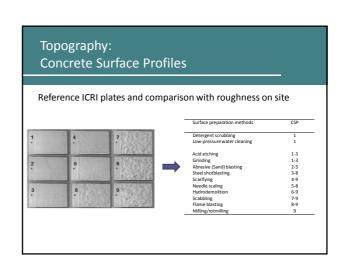
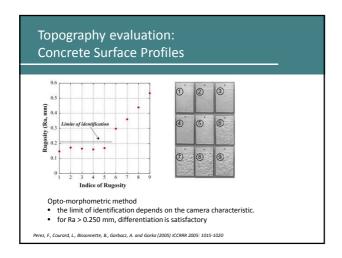
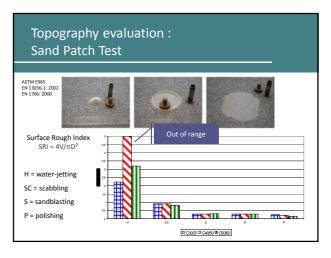


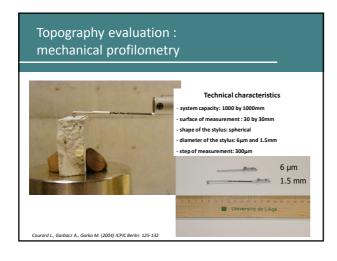


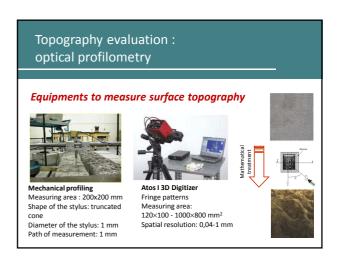
## Surfology: techniques and principles 1. Preparation of concrete surface Needs for knowledge 2. Topography evaluation Parameters and techniques 3. Methodology comparison What is the best technique? 4. Conclusions and propectives Extension of CSP's

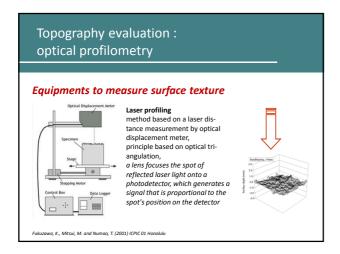


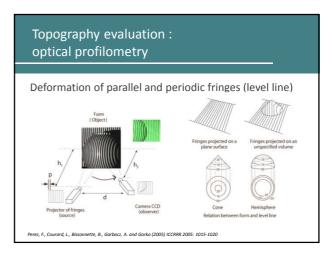


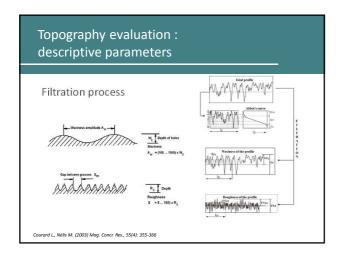


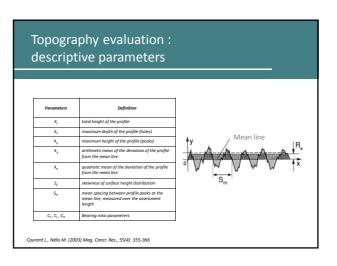


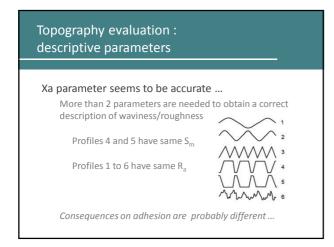


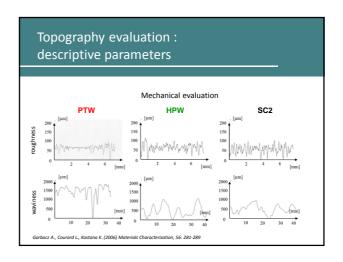


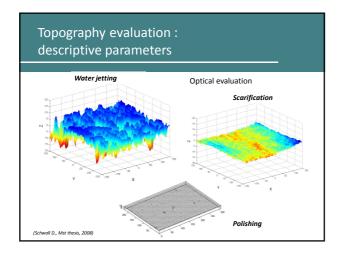


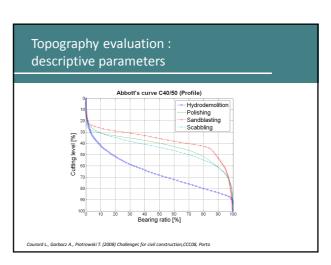


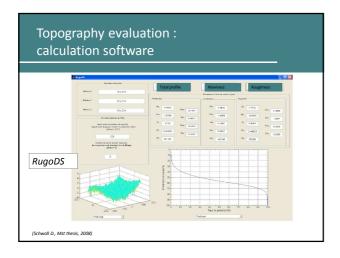


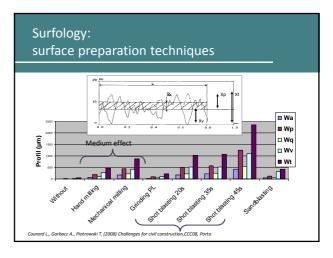


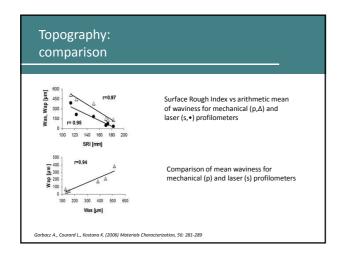


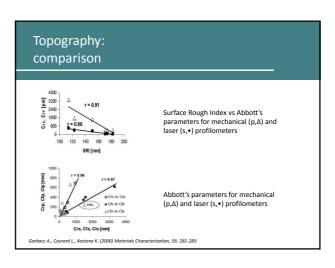












## Topography evaluation : conclusions

- CSP is not really accurate for concrete surface preparation techniques (waterietting, lack hammering, ...)
- the geometrical parameters determined for both macroscopic level (SRI value) and microscopic level (RS, RL ratios and waviness parameters) generally indicate that a higher roughness was obtained after shot blasting for 45s and a lower roughness by grinding,
- there is a quite good correlation between SRI and statistical parameters measured by mechanical (optical) and laser profilometry,
- mean waviness or Abbott's parameters are the most appropriated parameters for roughness (waviness) evaluation.
- ... we are working on extending applicability of CSP (higher roughness)

## Acknowledgements

Thanks for your attention...

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