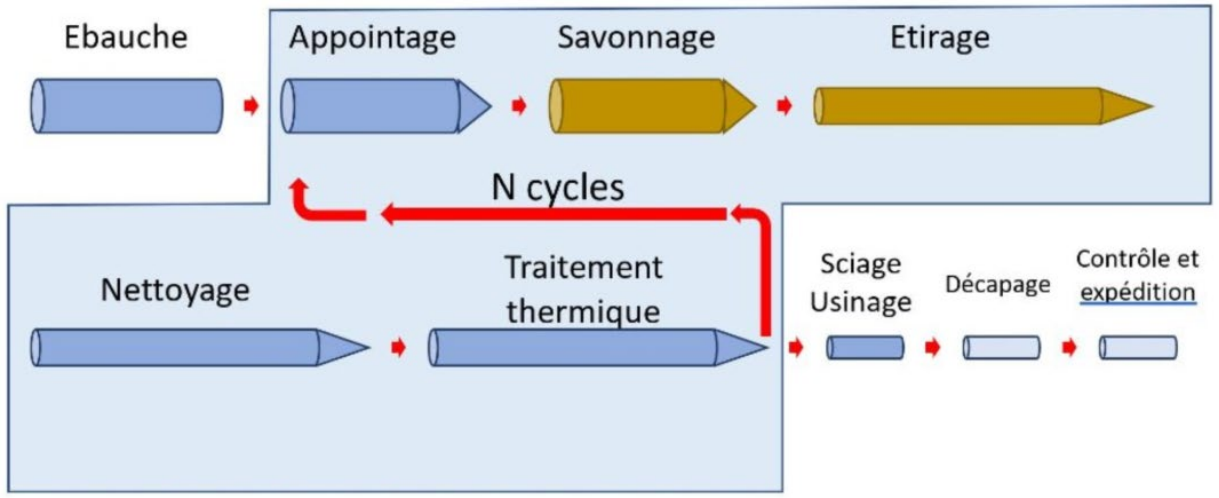

Swiss-tube production process

PRODUCTION PROCESSES OPTIMIZATION

	Late days (mean)	Transit days (mean)
Real scheduling	5.7j	12.8j
Optimized scheduling	3j (-47,4%)	11.9j (-7,3%)
Optimized scheduling +Machine Learning (AI)	2.5j (-56.1%)	11.4j (-10.9%)

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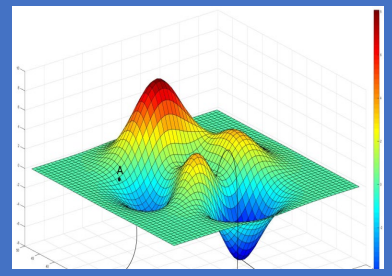
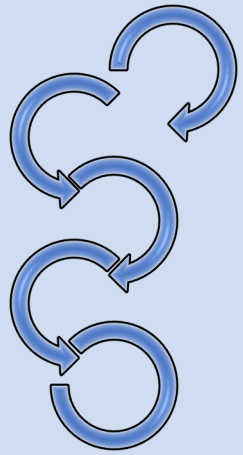
A priori constraints

DB historical

Optimization function



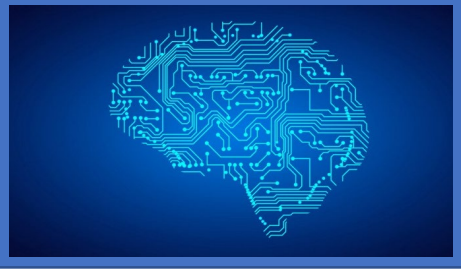
Optimum sequencing



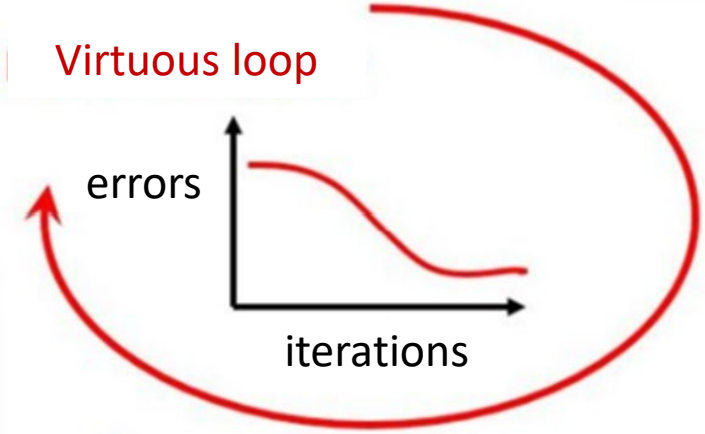
Production

Sensitive variables

Machine learning (AI)



Virtuous loop



DB mesurement live

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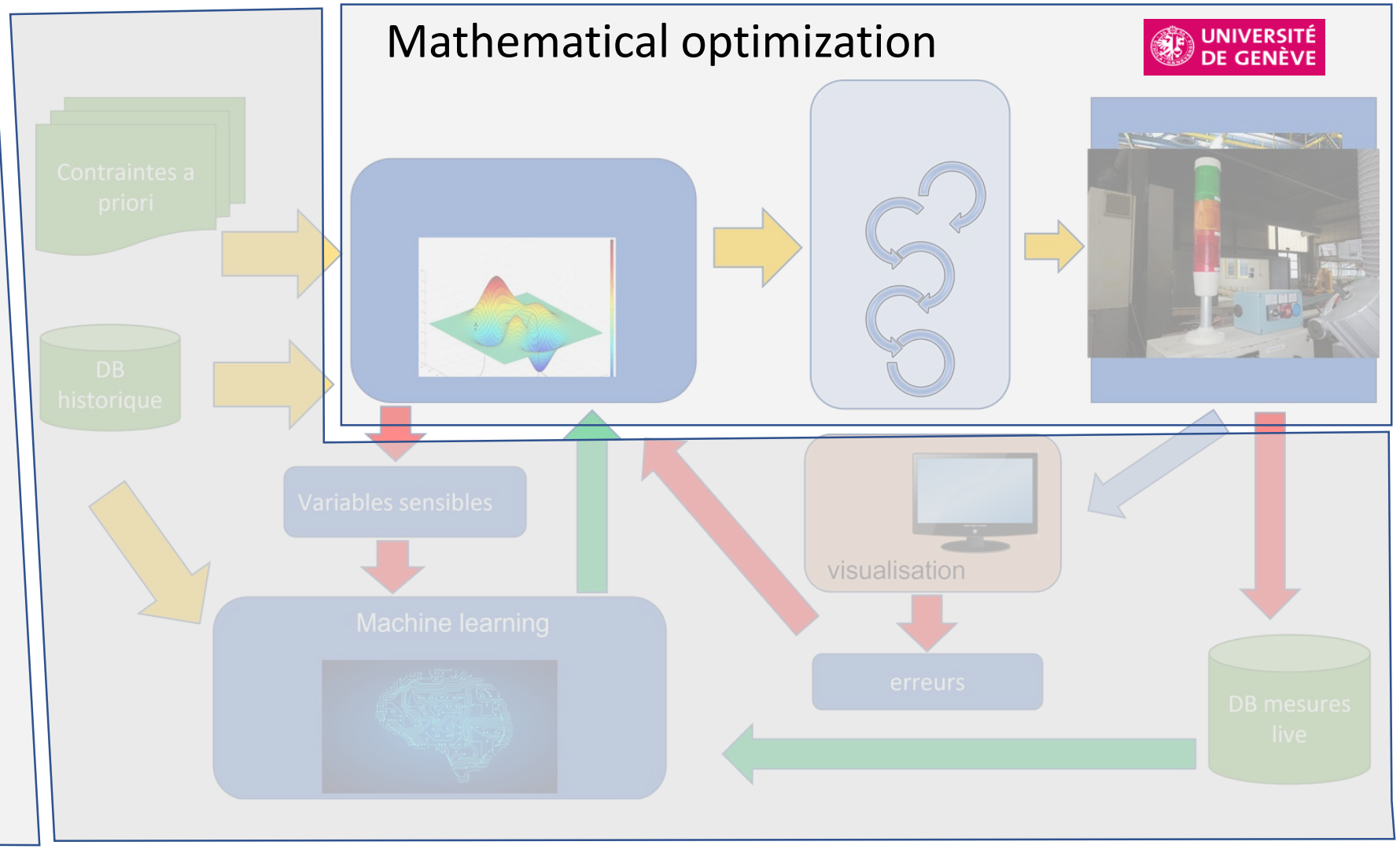
Orchestration
Information system
Measurements in prod
Machine Learning

Hes·so VALAIS WALLIS
Computer Science Inst.
DUDELAB



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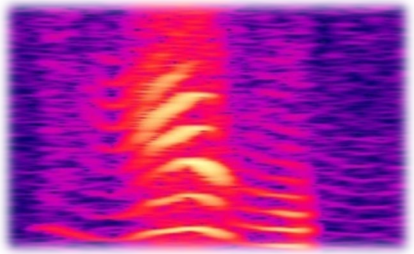
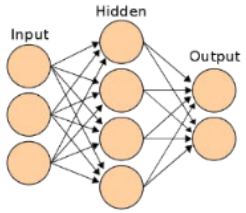
Who's that guy?





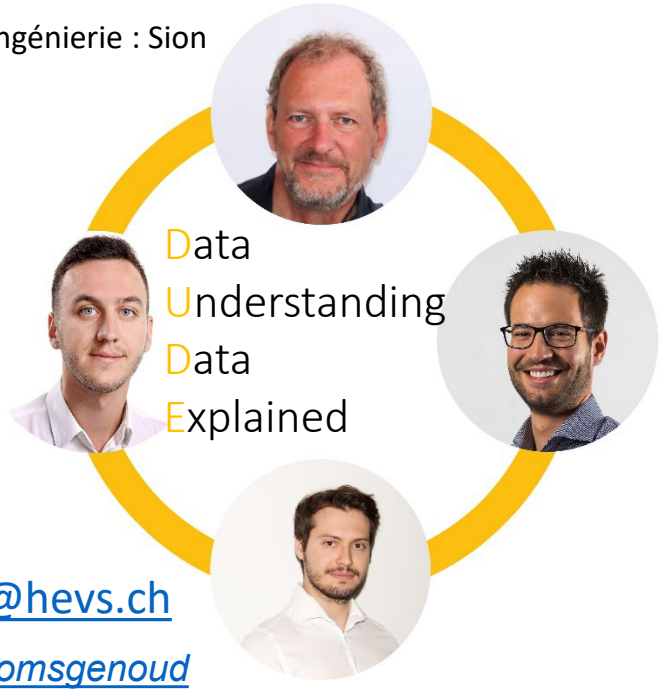
EPFL microT, Dr Systèmes de com

Software dev ~1Mio code lines

Professor

Haute Ecole de Gestion : Sierre

Haute Ecole d'Ingénierie : Sion



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dominique.genoud@hevs.ch

https://www.linkedin.com/in/domsgenoud

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