EOSC-hub

Prague
April 11th, 2019

Mathematics for Innovation

Smart Sport Video Analysis

Matteo Longoni, Moxoff SpA

MOX-OFF
MATHEMATICS FOR INNOVATION

Sport Smart Video Analysis

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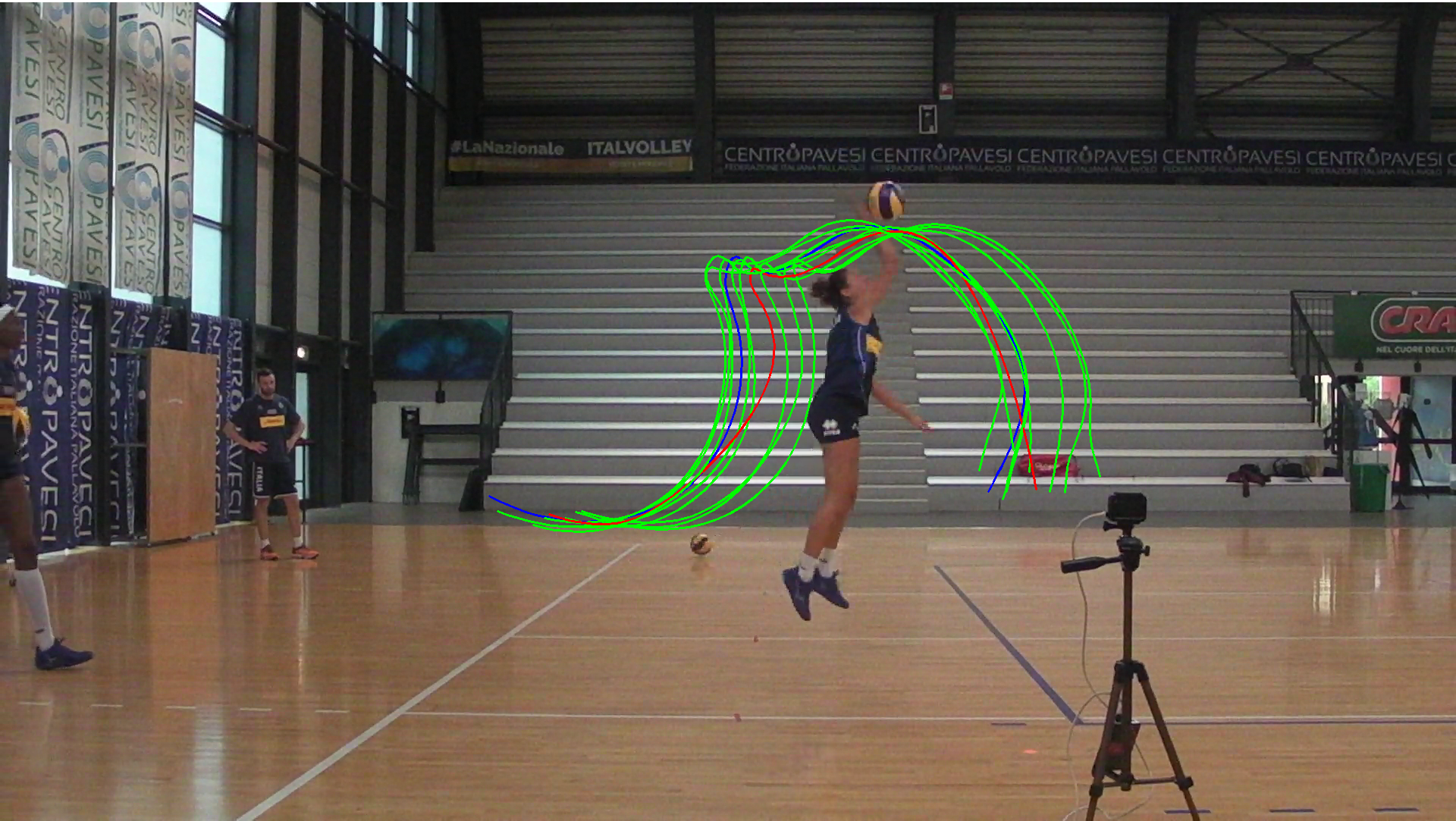
MATHEMATICS FOR INNOVATION



2. MOVEMENT INTELLIGENCE

math&sport

Impact point

Mean height:
2.29 m

Mean distance from end line:
-0.65 m

Range variation
horizontal: 0.58 m
vertical: 0.08 m

- In
- Net
- Out

Cambi Carlotta - 31 August 2018

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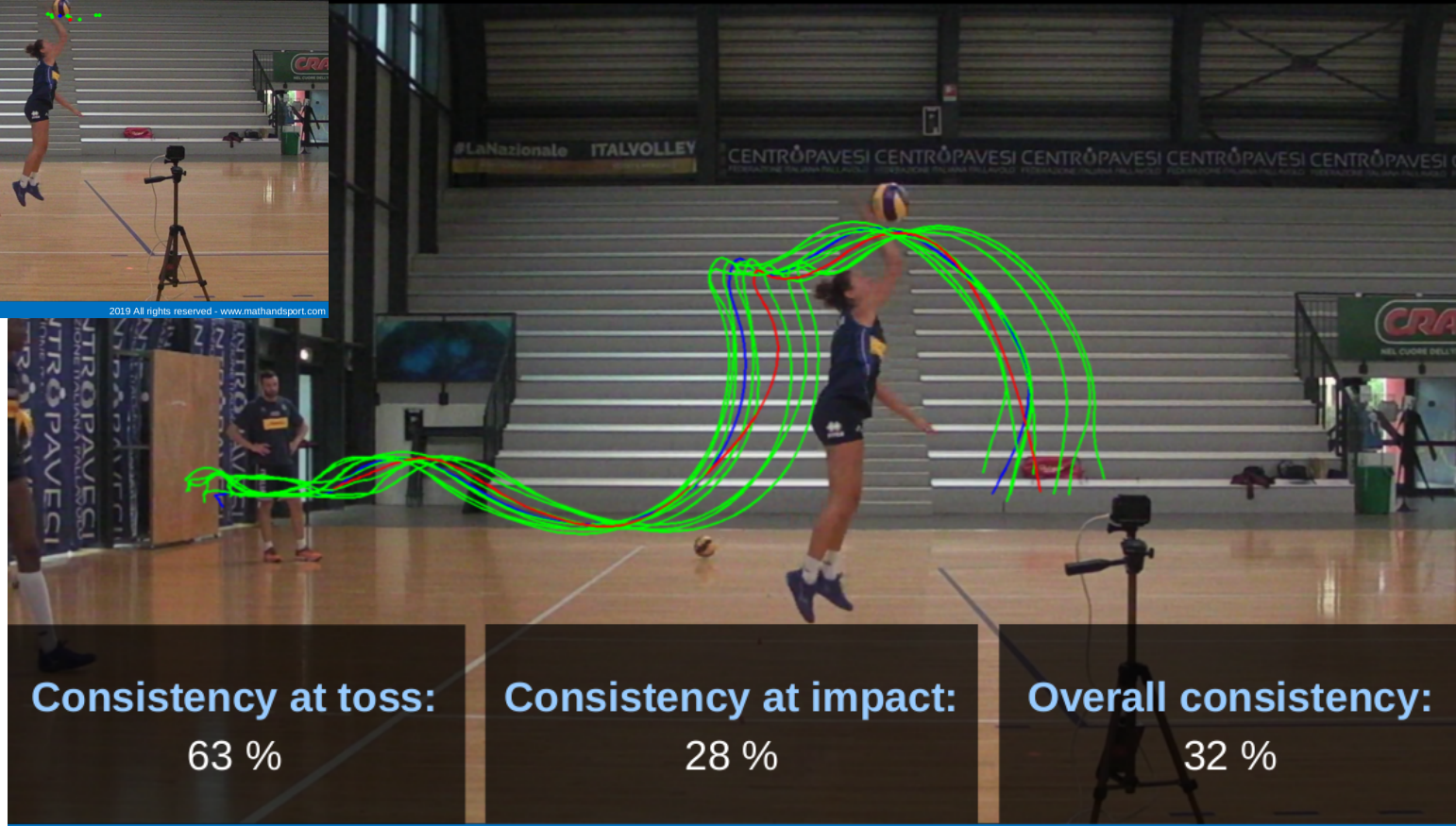
INTELLIGENCE

math&sport

during impact



Consistency at toss:
63 %

Consistency at impact:
28 %

Overall consistency:
32 %

Cambi Carlotta - 31 August 2018

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Math is everywhere

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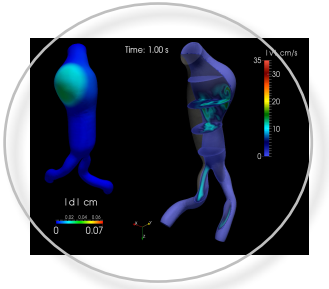
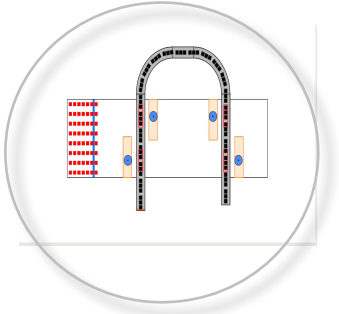
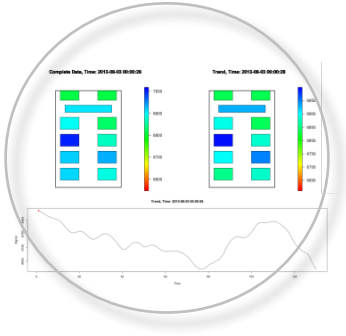
MATHEMATICS FOR INNOVATION



Modelling: to simulate processes and multiphysics phenomena



Optimization: to support business decisions in the best way



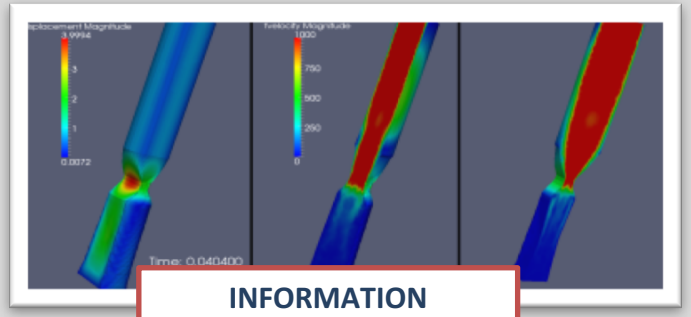
Data Science: to extract values from data

Several Industry Sectors

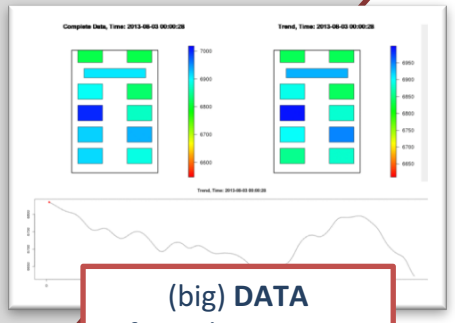
Industry4.0, Sport, Food, HealthCare, Finance, Marketing…

The key: Data – Model – Optimization

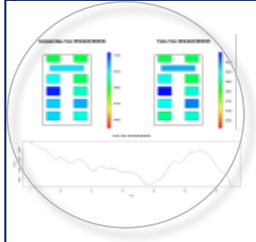
KNOWLEDGE
from the experience



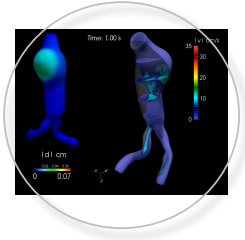
INFORMATION
from the phenomenon



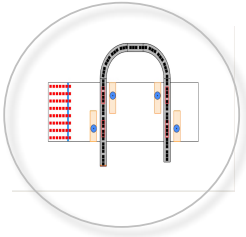
(big) **DATA**
from the process



DATA SCIENCE



MODELLING



OPTIMIZATION

Enabling technologies

The best strategy
for your business innovation

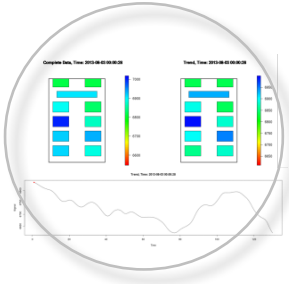
About us

Customers

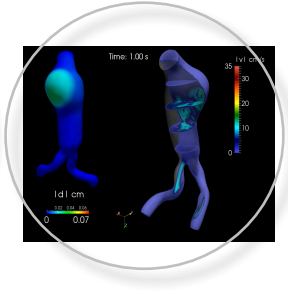
Numbers

- 9 years of operation
- 200+ projects
- 100+ customers
- 25 employees
- 2 spinoffs

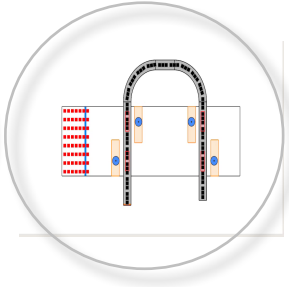
Core skills



DATA SCIENCE



MODELLING



OPTIMIZATION

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