

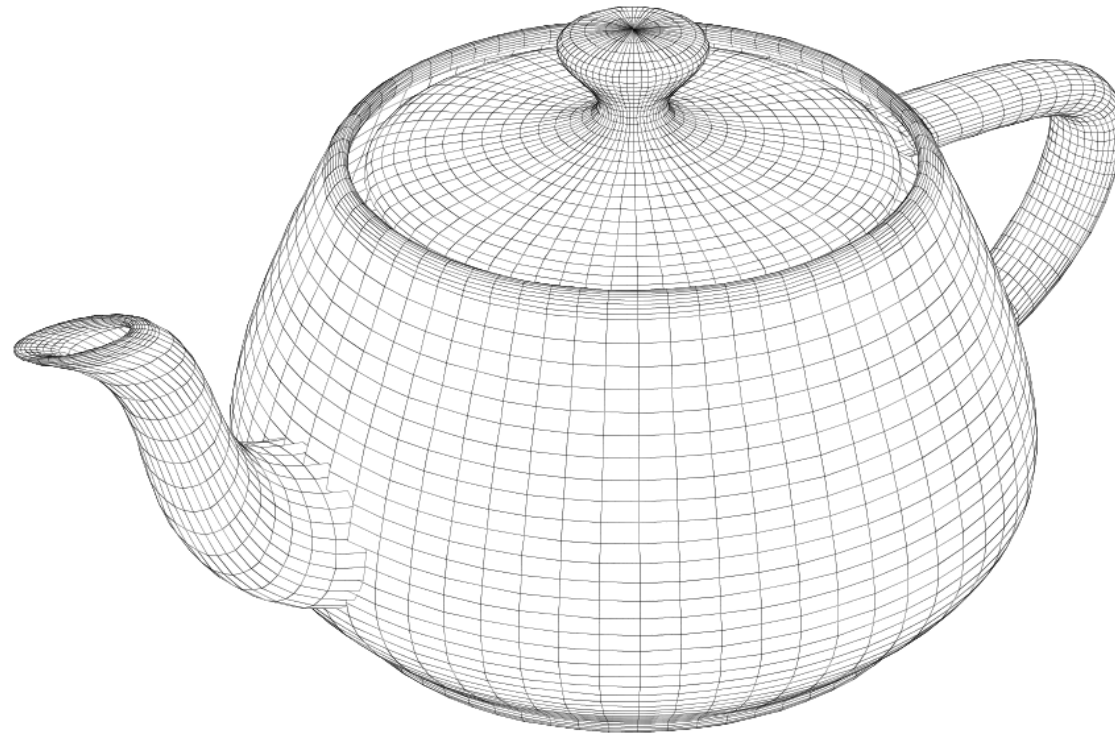
Simona Perotto | Leonardo Locatelli

ADAPTA studio

from a teapot to
a chameleon

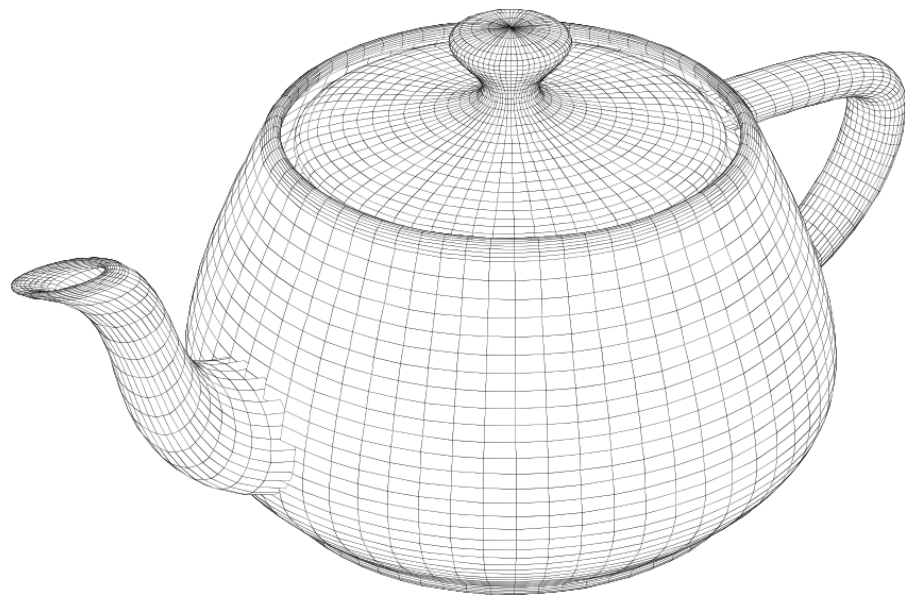


Everything started with a teapot



Utah Teapot

Everything started with a teapot



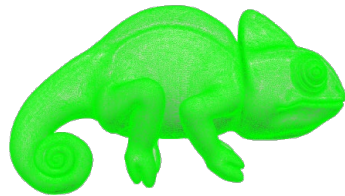
Utah Teapot



S2P: September 25, 2019
October 24, 2019

Challenge: we reduce polygons / preserve accuracy

Original Object



13 Mb

258.706 polygons

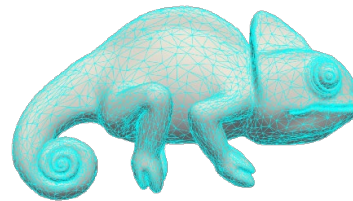


Original object LOD0

LOD: Level of Detail

Intermediate Optimization

AMAZ3D



2,3 Mb

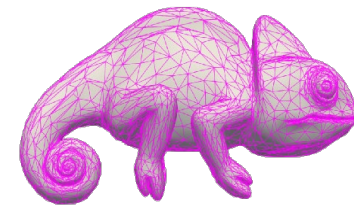
50.014 polygons



AMAZ3D object LOD1

Advanced Optimization

AMAZ3D



0,47 Mb

10.042 polygons

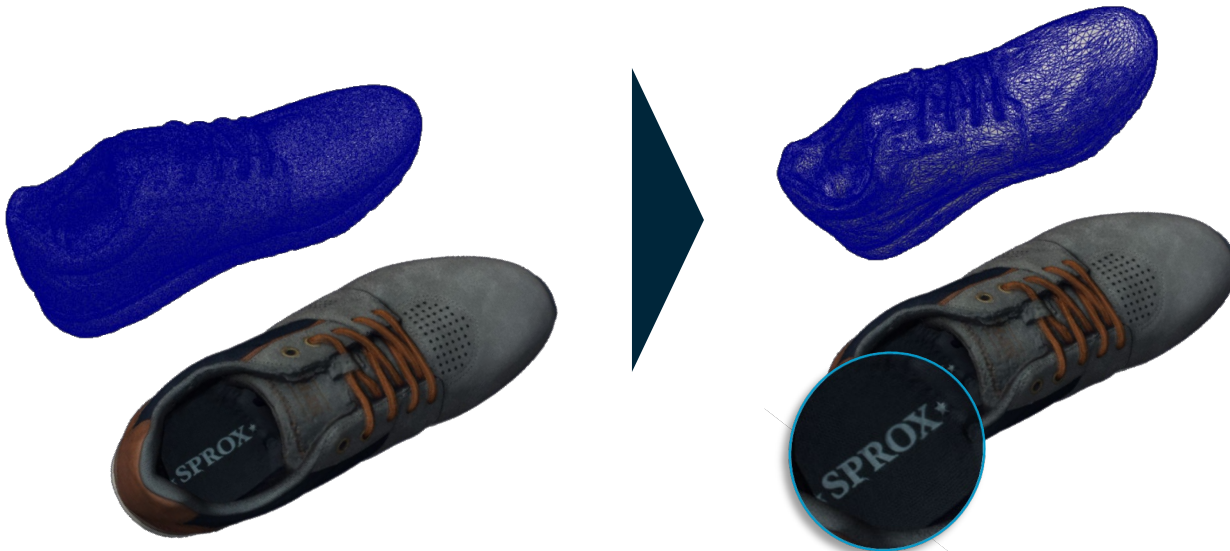


AMAZ3D object LOD2

Don't forget the texture



50%
Reduction



70%
Reduction



... and the winners are ...



... and the winners are ...



ACCELERATION @



... and the winners are ...



ACCELERATION @



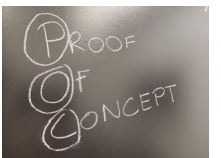
FIRST FUNDING (140K€)



POLITECNICO
MILANO 1863



POLI360 TECHNOLOGY TRANSFER FUND



Market segmentation

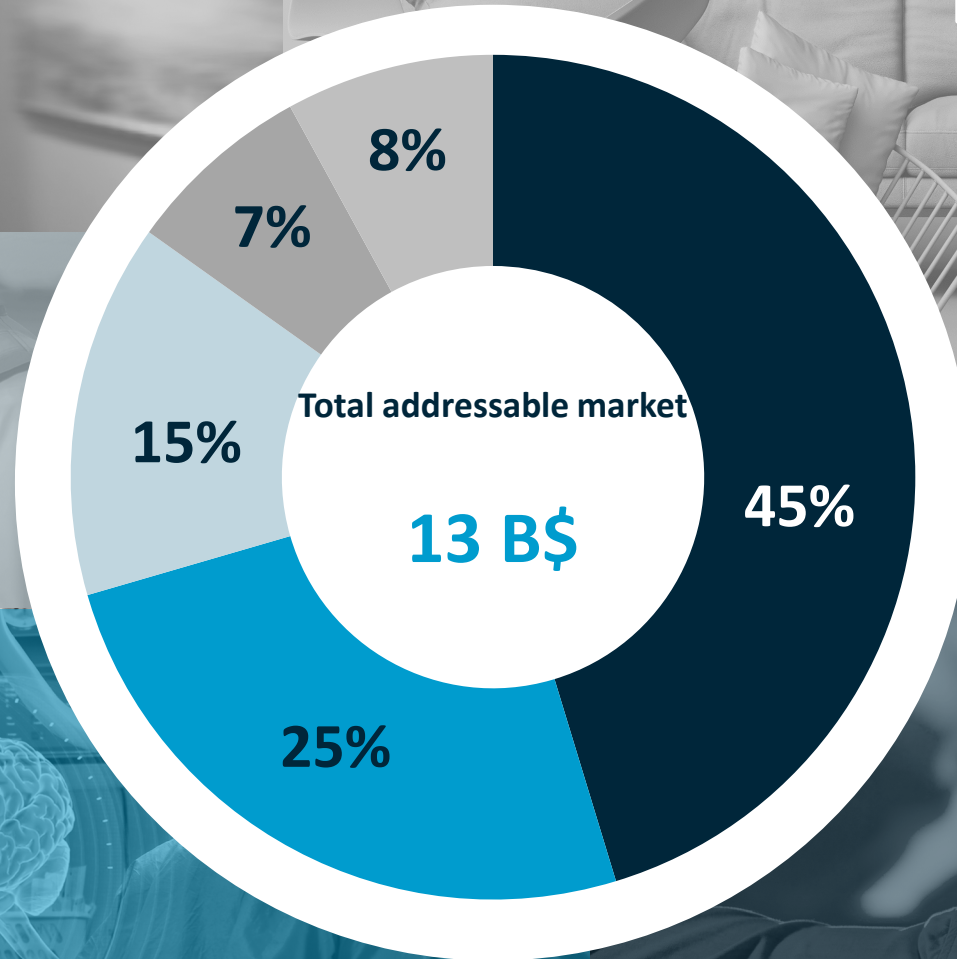
Cultural Heritage

E-commerce

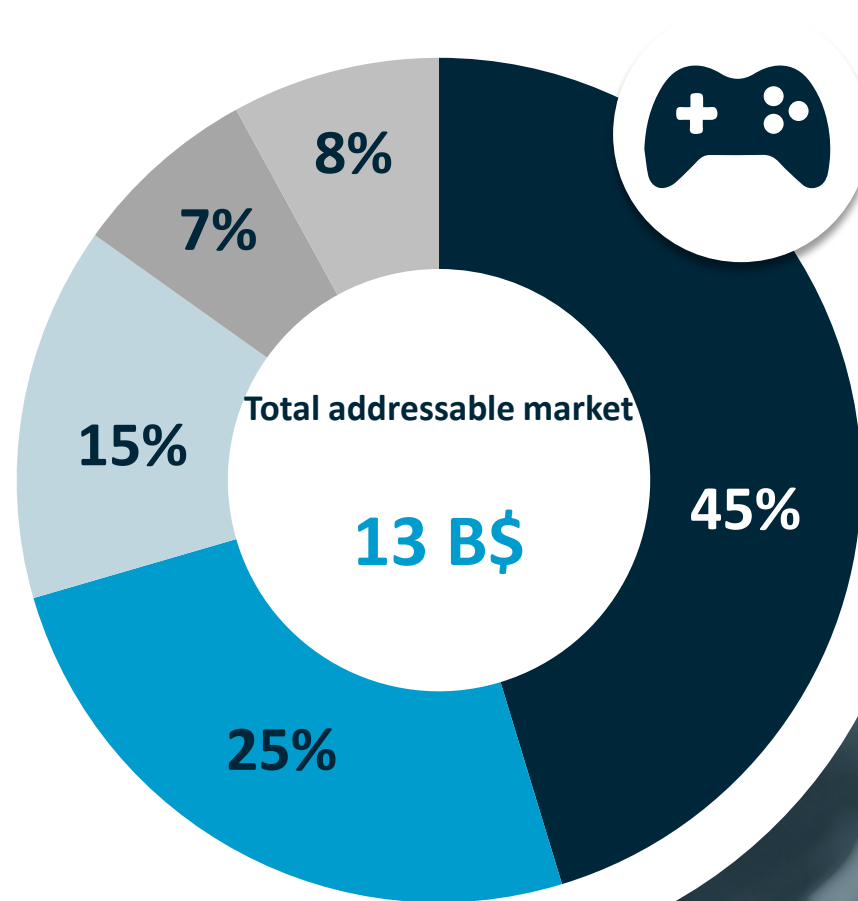
Industry 4.0

Medicine

Gaming



Focus on the gaming market



3D Videogames

Photorealistic game asset
Photogrammetry game asset
AR/VR videogames
Metaverse



ADAPTA

Second funding (510K€)



21 APRILE
NATALE
DI ROMA

The founders



The founders



Irene Cassarino



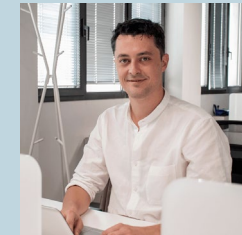
Enrico Deluchi



Giuseppe Nicola Isgrò



Andrea Nunnari



Nicola Rodriguez

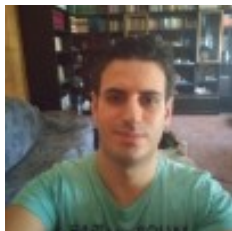


Lorenzo Boldrini

The founders



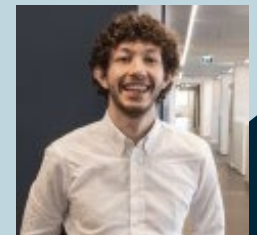
and the team



Irene Cassarino



Enrico Deluchi



Giuseppe Nicola Isgrò



Andrea Nunnari



Nicola Rodriguez



Lorenzo Boldrini



ADAPTA studio aims at supporting graphic designers and companies in creating 3D models stuck to reality while reducing computational resources.



AMAZ3D products



Algorithm Licence / Library Sdk

The solution **for developers** who want to integrate polygon optimization in their software.



SaaS Cloud Service + On Premise Deployment

For everyone who lacks enough local computational resources, the AMAZ3D **cloud service** optimizes the 3D objects directly from your browser.



Plugin For DCC & Engines

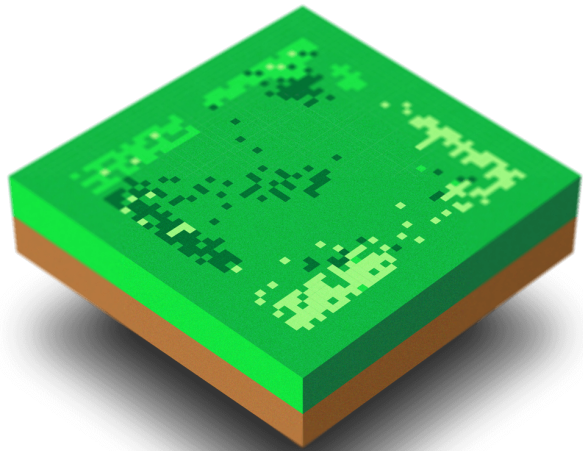
The solution **for graphic designers** who want to reduce the polygon number without changing their workflow.

Different Needs = Different Products

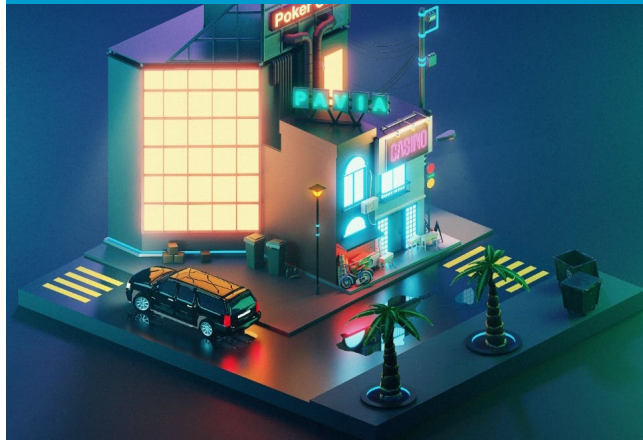
New challenges

↓ Polygons = ↑ Plot Value

10k max poly



Optimized



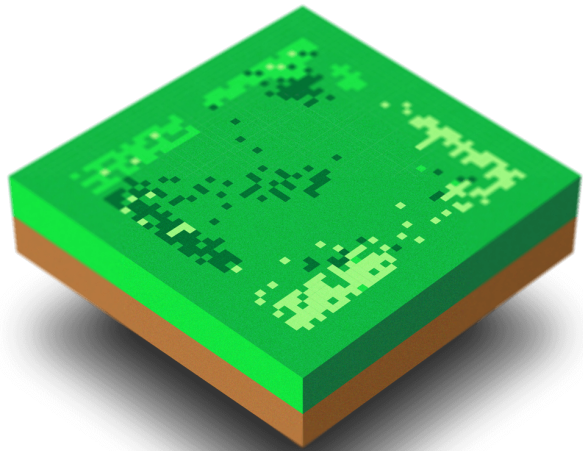
Not optimized



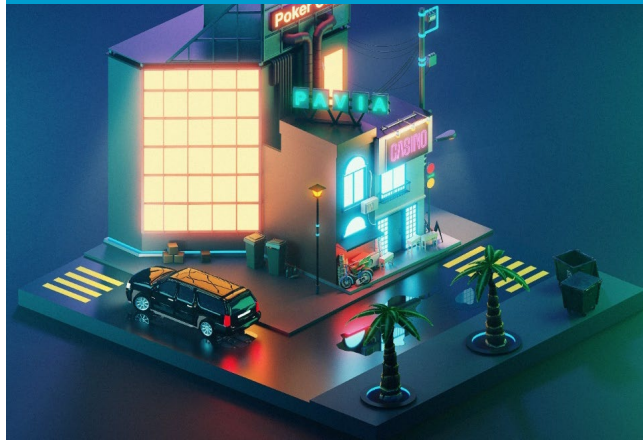
New challenges

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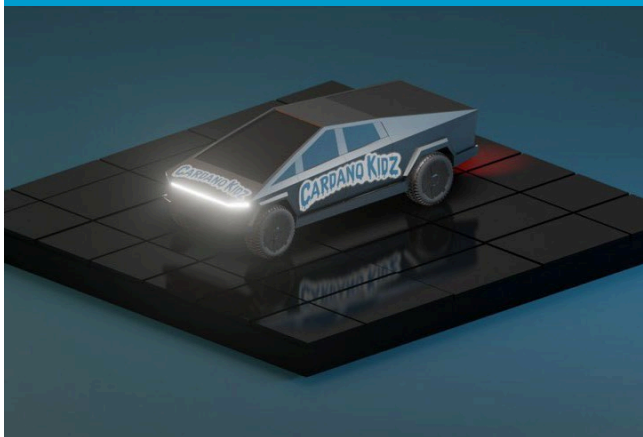
10k max poly



Optimized



Not optimized

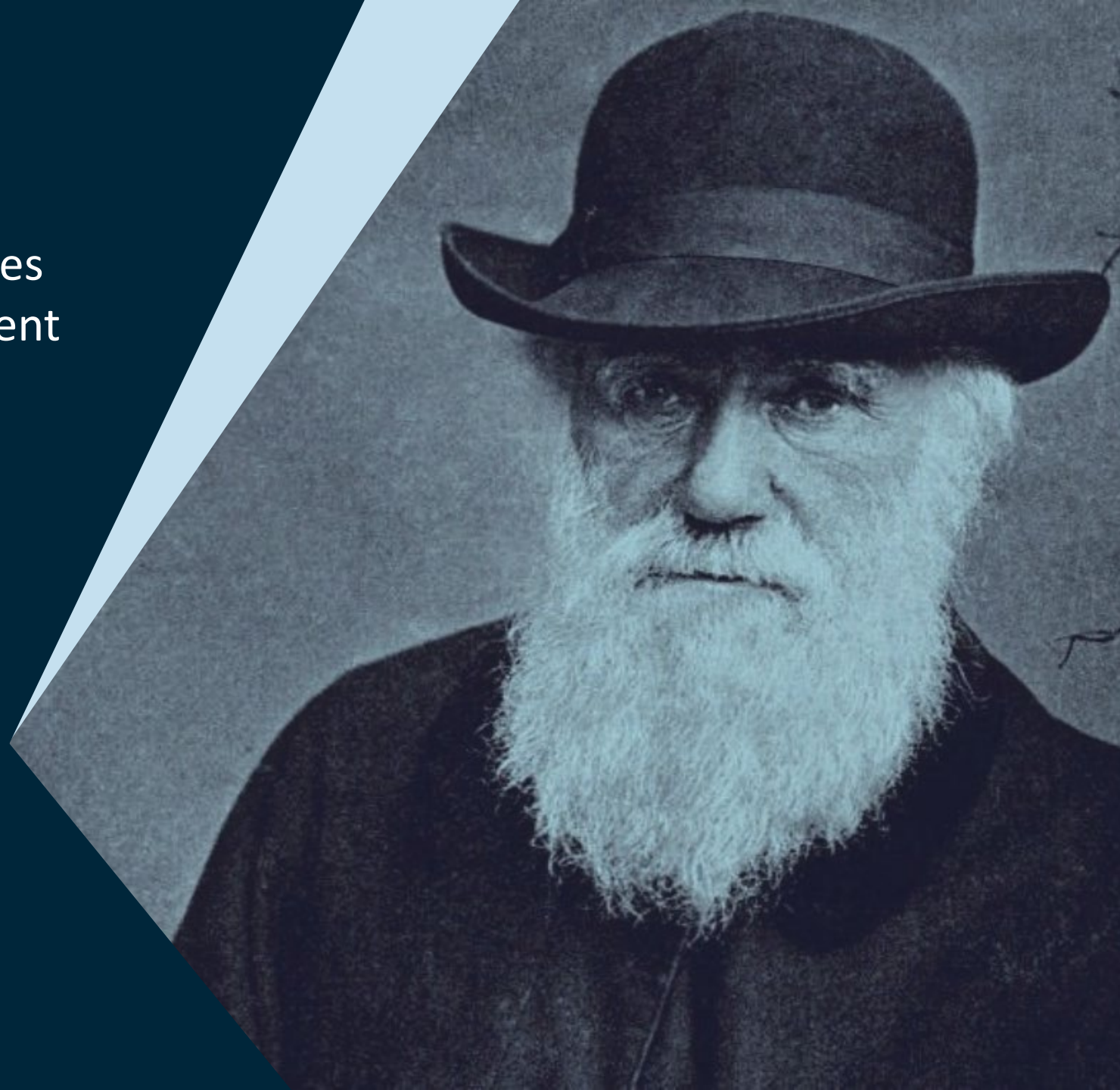


ADAPTA studio in the metaverse

“It is not the strongest of the species that survives, nor the most intelligent that survives.

It is the one that is the most adaptable to change”.

(C. Darwin)







Thank you!

www.adapta.studio

Simona Perotto | Leonardo Locatelli