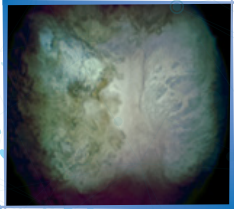




# DRILLING AND BLASTING

Measurement While Drilling • Virtual Coring While Drilling • Adaptive blast design • Drill-to-mill • Energy-efficient drilling

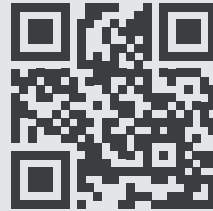


## ENVIRONMENT

Process simulation • Environmental impact calculation • CO<sub>2</sub> footprint reduction • Energy efficiency



# digiecoquarry.eu



# #digiecoquarry



# The future of quarries





# TREATMENT

Plant automation • Sensors and devices • Noise reduction and dust capturing mobile crusher



# POLICY AND CLUSTERING

Strengthening the aggregates value chain • Awareness-raising on the extractive industry



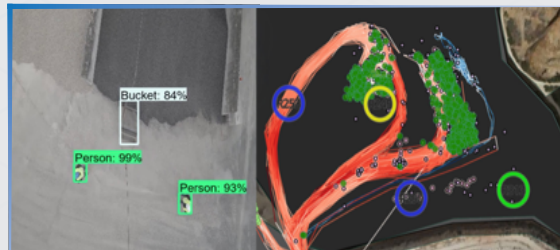
# TRANSPORT

Mobile machine digitalization and monitoring • Dynamic geofence system



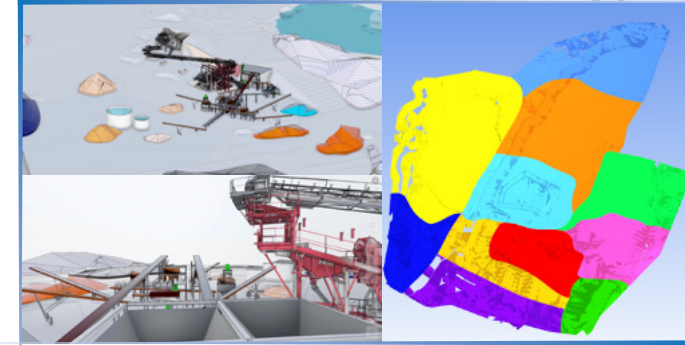
# HEALTH AND SAFETY

Risk map for workers recognition • Scraper safety system



# BIM

4D planning and integration



# ARTIFICIAL INTELLIGENCE

Material quality by colorimetry • Grain size determination • Stockpile volume calculation • Production and consumption forecast • Anomalies detection • Metaquarry

