

A World
Leading SFI
Research
Centre



METaverse Human & Things Interwoven



Insight

SFI RESEARCH CENTRE FOR DATA ANALYTICS

Dr Lukasz Porwol

IoTWeek 2022

HOST INSTITUTIONS



NUI Galway
OÉ Gaillimh



University College Cork, Ireland
Coláiste na hOllscoile Corcaigh



PARTNER INSTITUTIONS



Maynooth University
National University
of Ireland Maynooth



Trinity College Dublin
Coláiste na Tríonóide, Páirc Átha Cliath
The University of Dublin



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Ollscoil Limerick

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Department of Enterprise, Trade and
Employment



European Union
European Regional
Development Fund



Science
Foundation
Ireland For what's next

The Metaverse
has you..

The Metaverse has you..

WHAT IS METAVERSE?

**Metaverse is a paradigm of blending digital
and physical reality through an
interconnected infrastructure**


Dr Lukasz Porwol



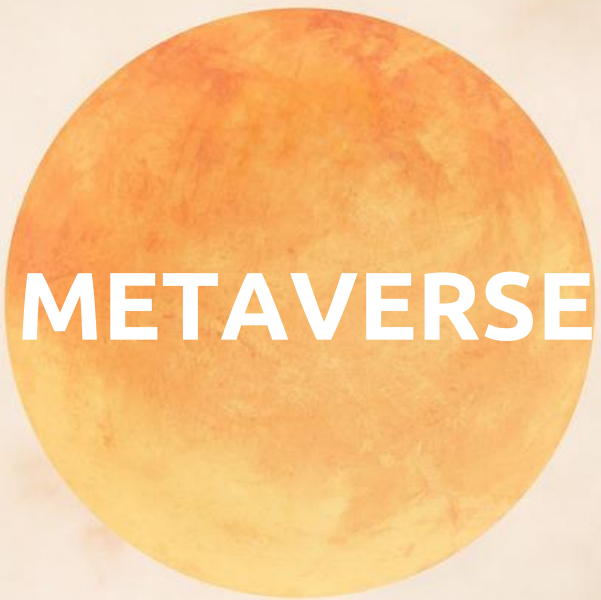
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METaverse



**METaverse
TO BOOST
*BUSINESS***

**METaverse
TO BOOST
*PUBLIC SECTOR***

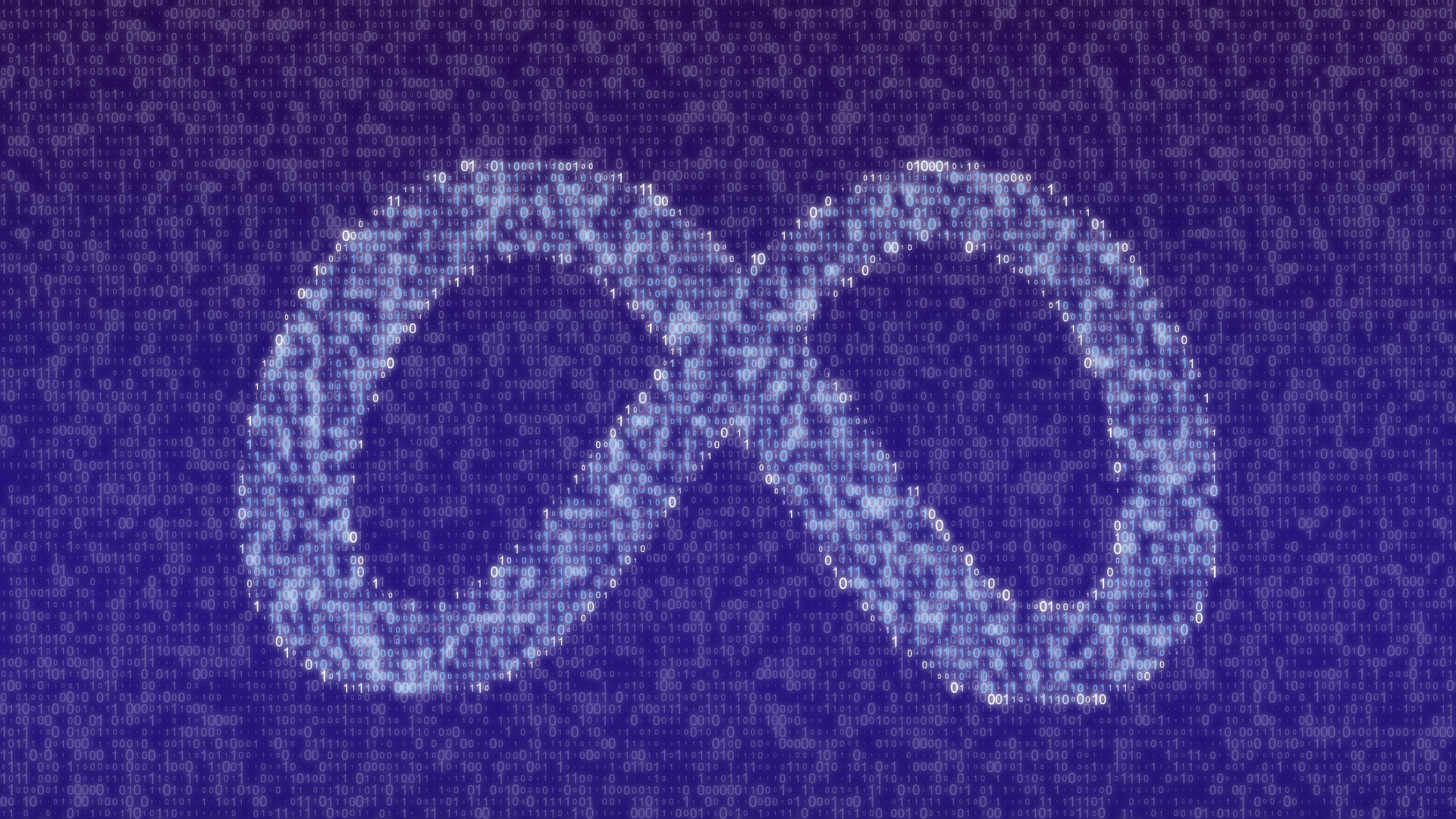
A person wearing a dark suit and a light-colored shirt is holding a white rectangular sign with both hands. The sign is centered in the frame and contains the text "WHY DO I NEED IT?" in bold, black, uppercase letters. The background is dark and out of focus.

WHY DO I NEED IT?

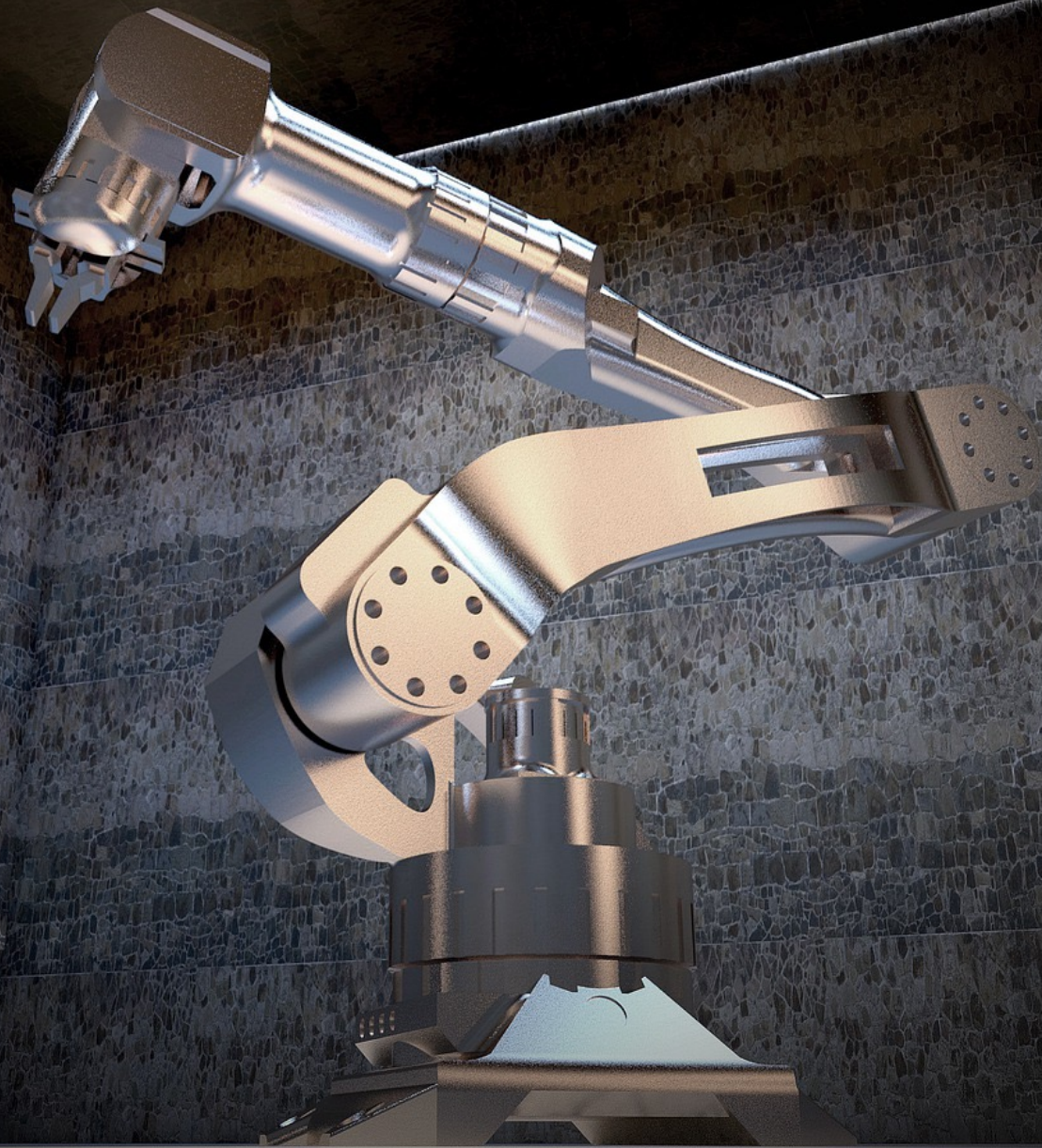


The global **METEaverse** market by Statista:

Year	Market Value (Billion USD)
2021	\$38.85
2022	\$47.48
2030	\$678.8



**SIMULATION
IS
CHEAP**



The Metaverse has you..

WHAT CAN WE EXPECT?

DIGITAL TWINS



Cemini

Digital Twins

Smart Cities

Smart Manufacturing

Car Industry

Aviation

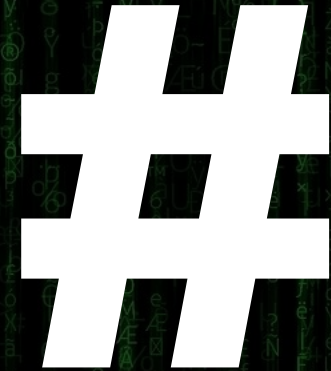
Healthcare

Finances

Communications

...

Digital Humans



Digital Things

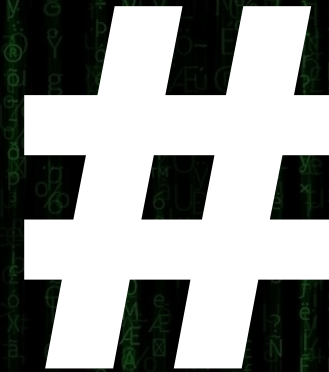
WHAT CAN WE EXPECT?

Digital Ethics & Values
(AI, XR, IoT ...)

Digital Economy
(Blockchain, Web3)

Digital Convergent Media & Entertainment
(Netflix fuse with TV and Gaming)

Digital Humans



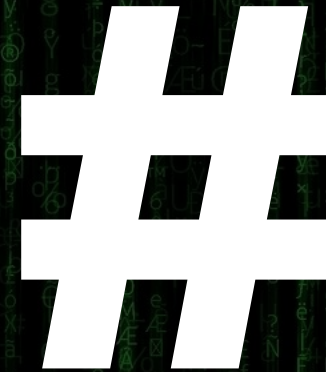
Digital Things

WHAT CAN WE EXPECT?

XR CONVERGENCE

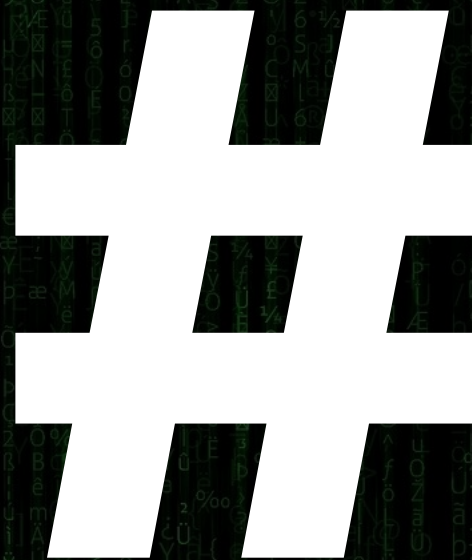
(AI, AR, VR, IoT, MEDIA, BIG DATA)

Digital Humans



Digital Things

WHAT CAN WE EXPECT?



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LUKE PORWOL