



FUTURE
CIRCULAR
COLLIDER

The Future Circular Collider Innovation Study (FCCIS) project has received funding from the European Union's Horizon 2020 research and innovation programme under grant No 951754.'



FUTURE
CIRCULAR
COLLIDER



**35 NATIONS
+150 PARTNERS WORLDWIDE
TIMESPAN +70 YEARS
UNNAMED OPPORTUNITIES**

THE WORLD SHOULD KNOW



COMMON GROUND A FOUNDATION

FCC STANDS FOR



CREDIBILITY
INSPIRATION
COLLABORATION
INNOVATION

KEY MESSAGE

PHYSICS FOR A NEW ERA

Global, Collaborative, Sustainable



THE FCC WORLD IS MADE UP OF STAKEHOLDERS

FCC COMMUNITY
FRENCH AND SWISS COMMUNITIES
HIGH ENERGY PHYSICS COMMUNITY
SCIENCE AND TECHNOLOGY OPINION LEADER
MEDIA
GENERAL PUBLIC
EDUCATORS
STUDENTS AT HIGHER EDUCATION
INDUSTRY EXECUTIVES
JOB SEEKERS
SKEPTICS

PHYSICS FOR A NEW ERA

Global, Collaborative, Sustainable

3 KEY PHASES OF COMMUNICATION

2021-2022: INTRODUCING FCCis ACTIVITIES

2022-2025: FCCis KEY MILESTONES

2025-2027: FCCis OUTCOMES AND BEYOND

THE METHOD

FCC IS A HIGGS AND EW FACTORY
BUT NOT ONLY
FCC IS ALSO A STORY FACTORY

FCC IS A CONSTANT STREAM OF
INFORMATION
THAT MAKES THE PROJECT
RELATABLE AND RELEVANT TO
EVERY AUDIENCE

WHY DO WE NEED STORIES?

BECAUSE STORIES SPEAK DIRECTLY TO
OUR BRAINS. THEY ARE A UNIVERSAL
COMMUNICATION VEHICLE

KEY STORY SILOS

FCC: THE GRAND NARRATIVE ENGINEERING SCIENCE SOCIETY

DISTRIBUTING STORY SILOS OVER TIME

2021 2022 2023 2024 2025 2026

FCC: THE GRAND NARRATIVE

FCC: ENGINEERING

FCC: SCIENCE

FCC: SOCIETY



2021 2022 2023 2024 2025 2026

← **FCC: THE GRAND NARRATIVE** →

FCC: ENGINEERING

FCC: SCIENCE

FCC: SOCIETY

2021

2022

2023

2024

2025

2026

1. THE GRAND NARRATIVE



THE FINAL YEARS OF LHC AND THE MAKING OF FCC



2021 2022 2023 2024 2025 2026

← FCC: THE GRAND NARRATIVE →

FCC: ENGINEERING

FCC: SCIENCE

FCC: SOCIETY

2021

2022

2023

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2025

2026

2. ENGINEERING

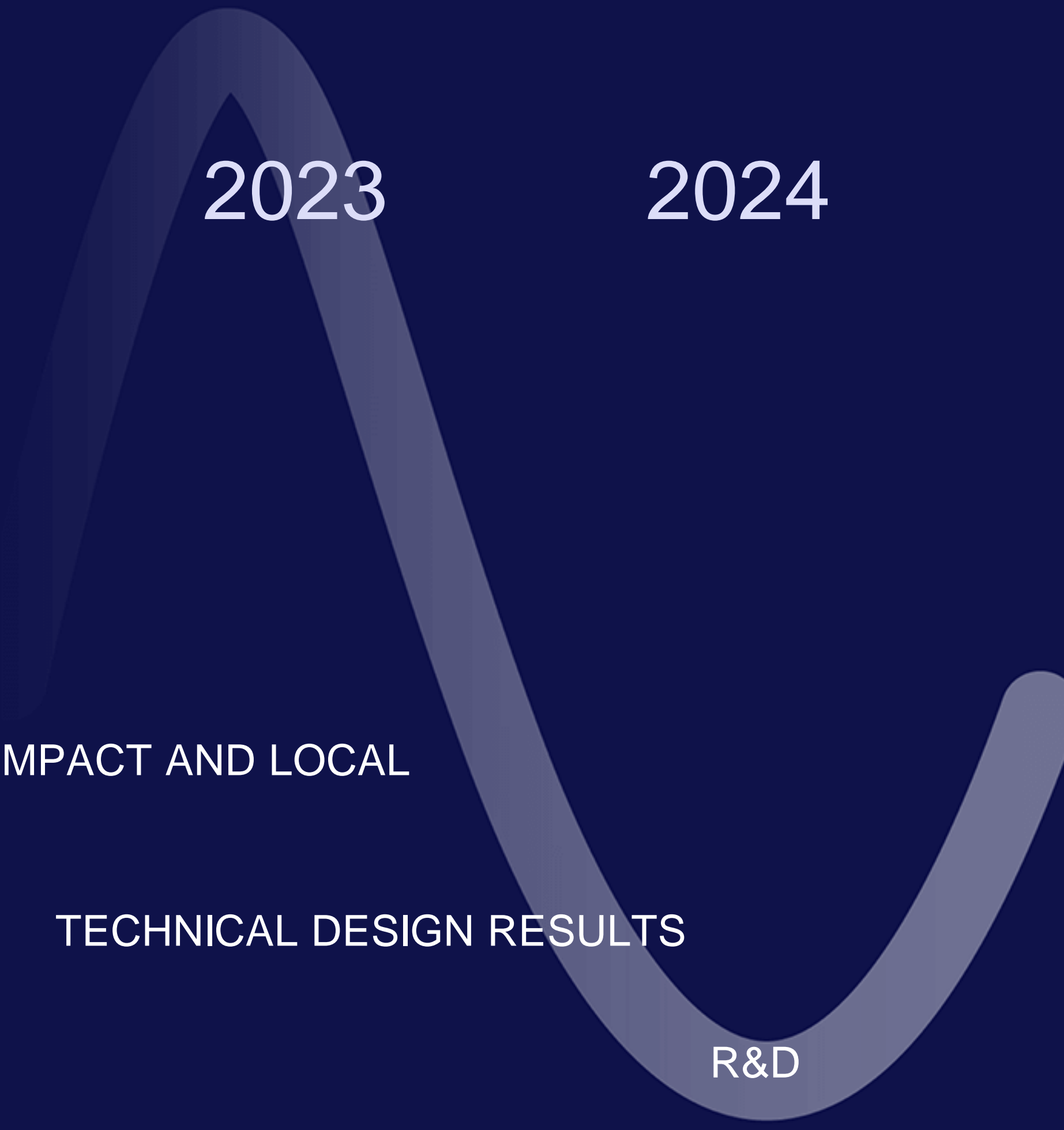
MINING THE FUTURE

TERRITORIAL IMPACT AND LOCAL
PLACEMENT

TECHNICAL DESIGN RESULTS

R&D

PROTOTYPING FCC



2021 2022 2023 2024 2025 2026

← FCC: THE GRAND NARRATIVE →

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2021

2022

2023

2024

2025

2026

3.SCIENCE

THE QUEST FOR NEW PHYSICS

HIGGS AND BEYOND

ELECTROWEAK SECTOR

DARK ENERGY AND DARK SECTOR

CROSSTALKING FCC AND ASTROPHYSICS

A POST FCC WORLD

2021 2022 2023 2024 2025 2026

← FCC: THE GRAND NARRATIVE →

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2021

2022

2023

2024

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2026

4. SOCIETY

FCC AND SUSTAINABILITY,
ENVIRONMENT

FCC AND EDUCATION

FCC AND OPEN SOCIETY

FCC AND BIG SCIENCE

FCC AND THE FUTURE OF
KNOWLEDGE

TBD

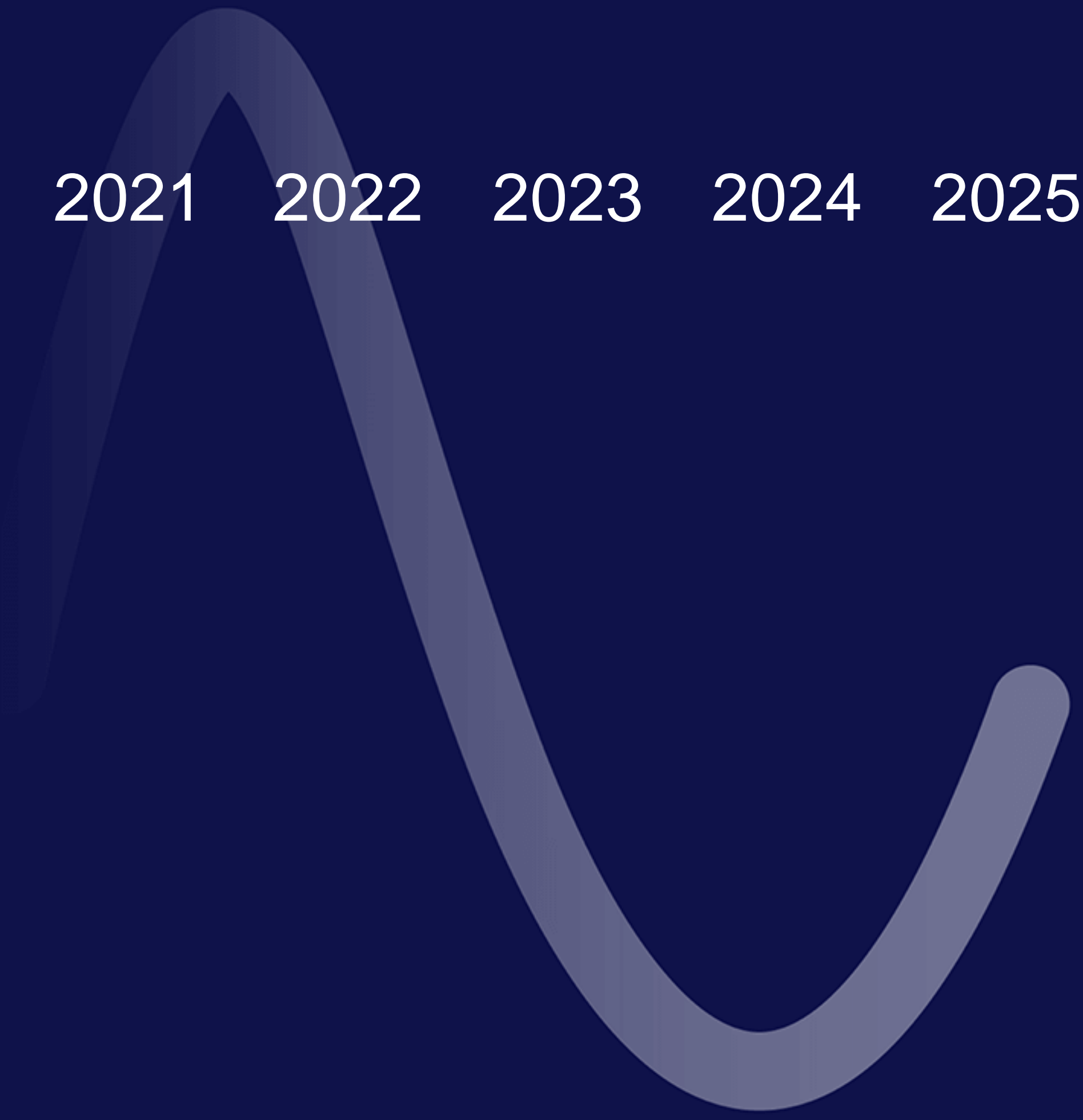
STACKING CONTENT IN LAYERS

2021 2022 2023 2024 2025 2026 2027

FCC: THE GRAND NARRATIVE
FCC: ENGINEERING
FCC: SCIENCE
FCC: SOCIETY

ANNIVERSARIES
SPECIAL EVENTS
GLOBAL TOPICS

LOCAL TOPICS (SWITZERLAND, FRANCE)



2021 2022 2023 2024 2025 2026 2027

FCC: THE GRAND NARRATIVE
FCC: ENGINEERING
FCC: SCIENCE
FCC: SOCIETY

ANNIVERSARIES

SPECIAL EVENTS

GLOBAL TOPICS

LOCAL TOPICS (SWITZERLAND, FRANCE)

2021

07

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2022

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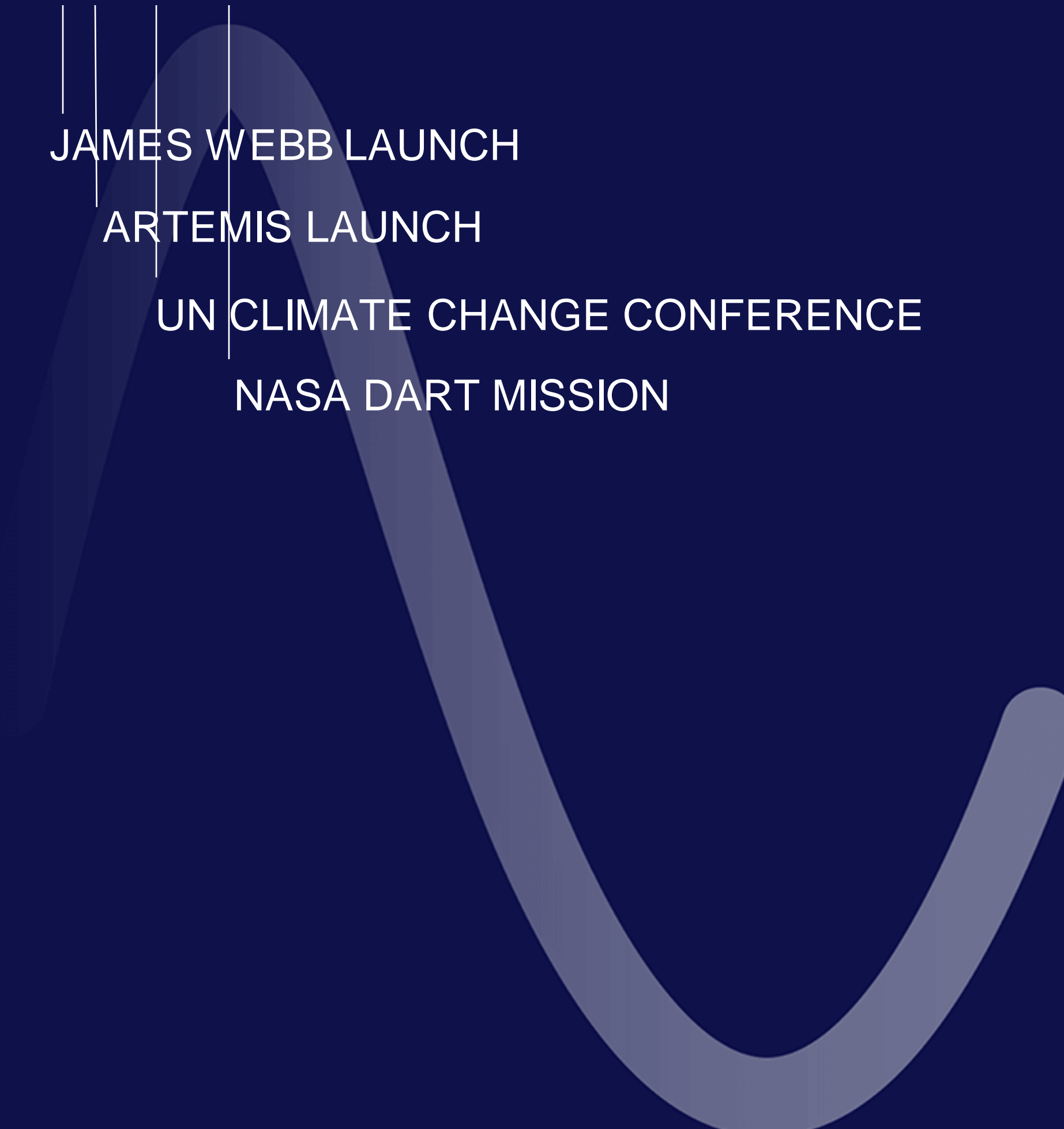
COVID

JAMES WEBB LAUNCH

ARTEMIS LAUNCH

UN CLIMATE CHANGE CONFERENCE

NASA DART MISSION

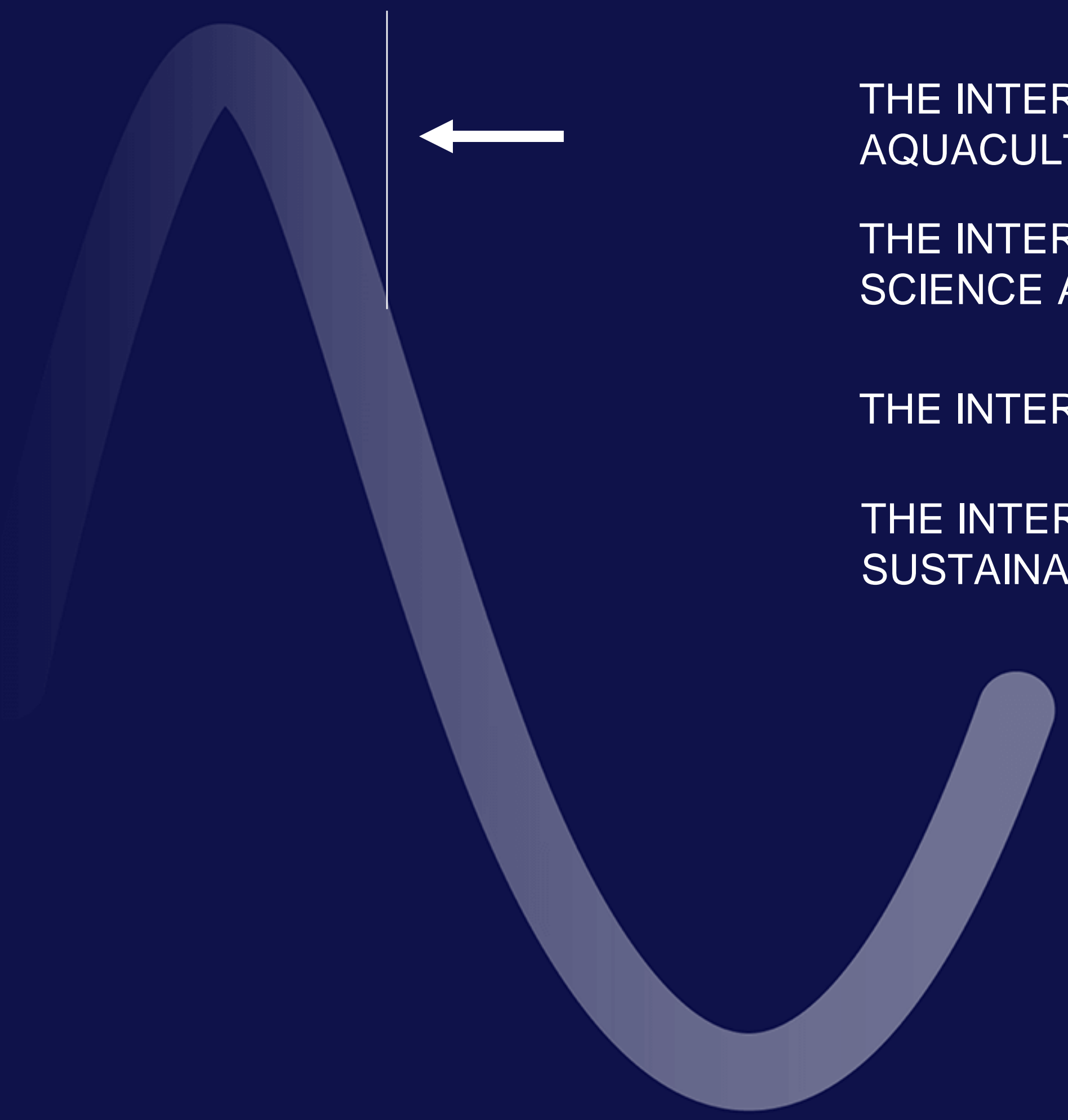


2021

07 08 09 10 11 12

2022

1 2 3 4 5 6 7 8 9 10 11 12



THE INTERNATIONAL YEAR OF
AQUACULTURE

THE INTERNATIONAL YEAR OF BASIC
SCIENCE AND DEVELOPMENT

THE INTERNATIONAL YEAR OF GLASS

THE INTERNATIONAL YEAR OF
SUSTAINABLE DEVELOPMENT

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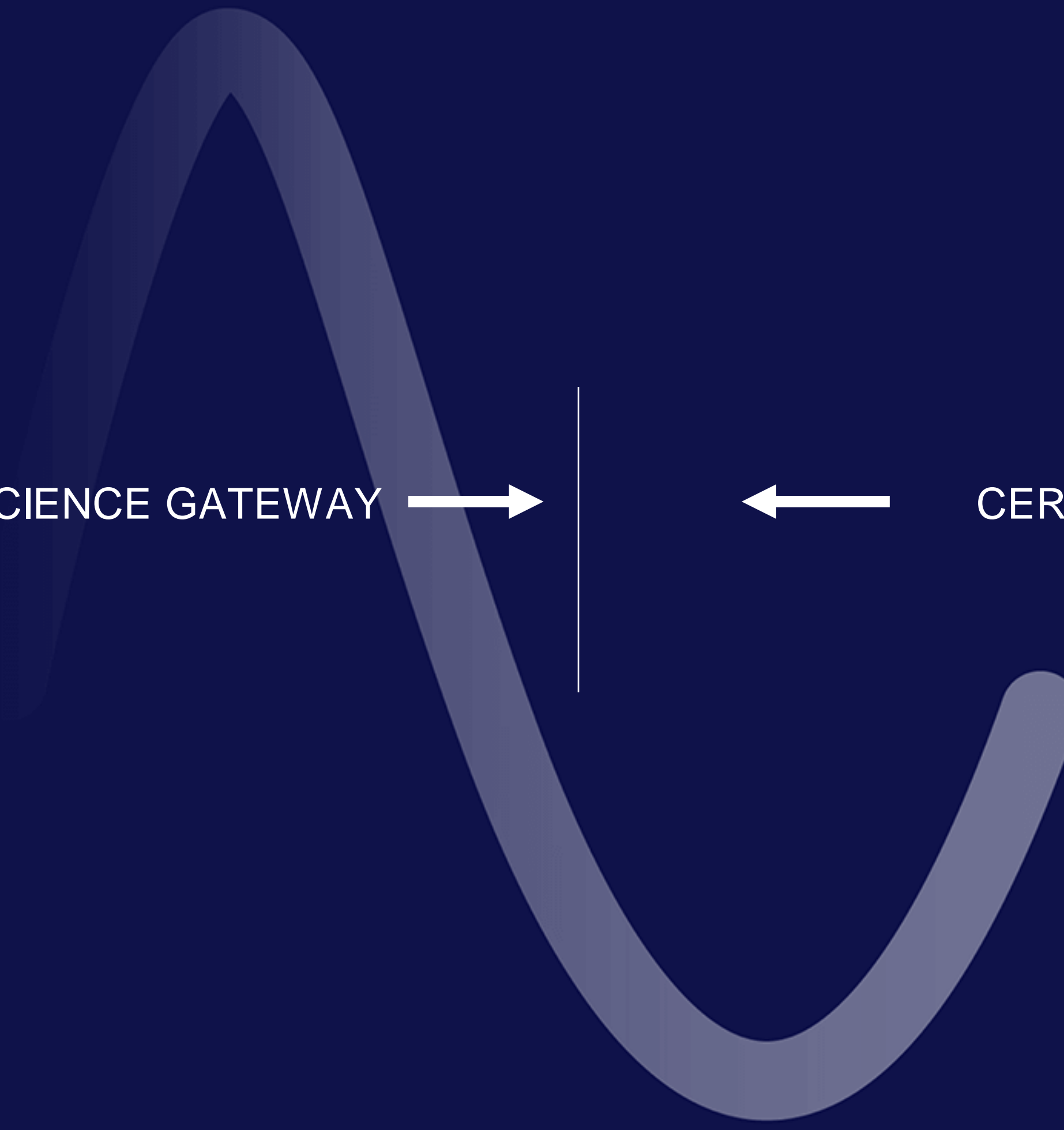
12



INAUGURATION CERN SCIENCE GATEWAY



CERN 70TH ANNIVERSARY





COMMUNICATION IS STARTING
TOMORROW
01.07.2021

COLLIDER DIARIES

NEW VIDEO
EVERY SECOND THURSDAY

ANSYS Mechanical Enterprise

Home Result Display Selection Automation

File Edit My Computer My Computer My Computer

Copy Paste My Computer My Computer My Computer

Tools

Clipboard [Empty] Extend Select By Convert

W: Static Structural
Total Deformation
Type: Total Deformation
Unit: in
Time: 6.283185302
2023/03/23 2:21 PM

6.2306e-5 Max

5.2679e-5
4.6957e-5
4.0217e-5
3.3545e-5
2.6829e-5
2.0129e-5
1.3419e-5
6.6919e-6

ANSYS
2021 R1



Tabular Data

TIME	N	MINIMUM	MAXIMUM	AVERAGE
1	1	0	6.0386e-005	1.3443e-005



2021

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COLLIDER DIARIES EP1

COLLIDER DIARIES EP2

COLLIDER DIARIES EP3

COLLIDER DIARIES EP4

COLLIDER DIARIES EP5

COLLIDER DIARIES EP6

MINING THE FUTURE: APPLICATIONS

MINING THE FUTURE: APPLICATIONS

MINING THE FUTURE: APPLICATIONS

MINING THE FUTURE: PROPOSALS

MINING THE FUTURE: PROPOSALS

MINING THE FUTURE: PROPOSALS

MINING THE FUTURE:
THE OUTCOME

ARTICLES AND RELEASES
INFOGRAPHICS AND STILL IMAGES
NEWSLETTERS
SOCIAL MEDIA CONTENT
VIDEOS
PODCASTS
REPORTS
PRESENTATIONS
TEMPLATES
EDUCATION CURRICULUM MATERIALS
MEDIA PARTNERS
INFLUENCERS
EMBASSADORS



WE ARE HERE TO HELP

2021

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2022

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STORYTELLING WORKSHOP HOSTED
BY TMFS





A DEDICATED TEAM

MULTI UNIT STRUCTURE

FCC STUDY OFFICE

MEDIA PARTNER FOR CONTENT (TERRA MATER FACTUAL STUDIOS)

CERN ECO GROUP

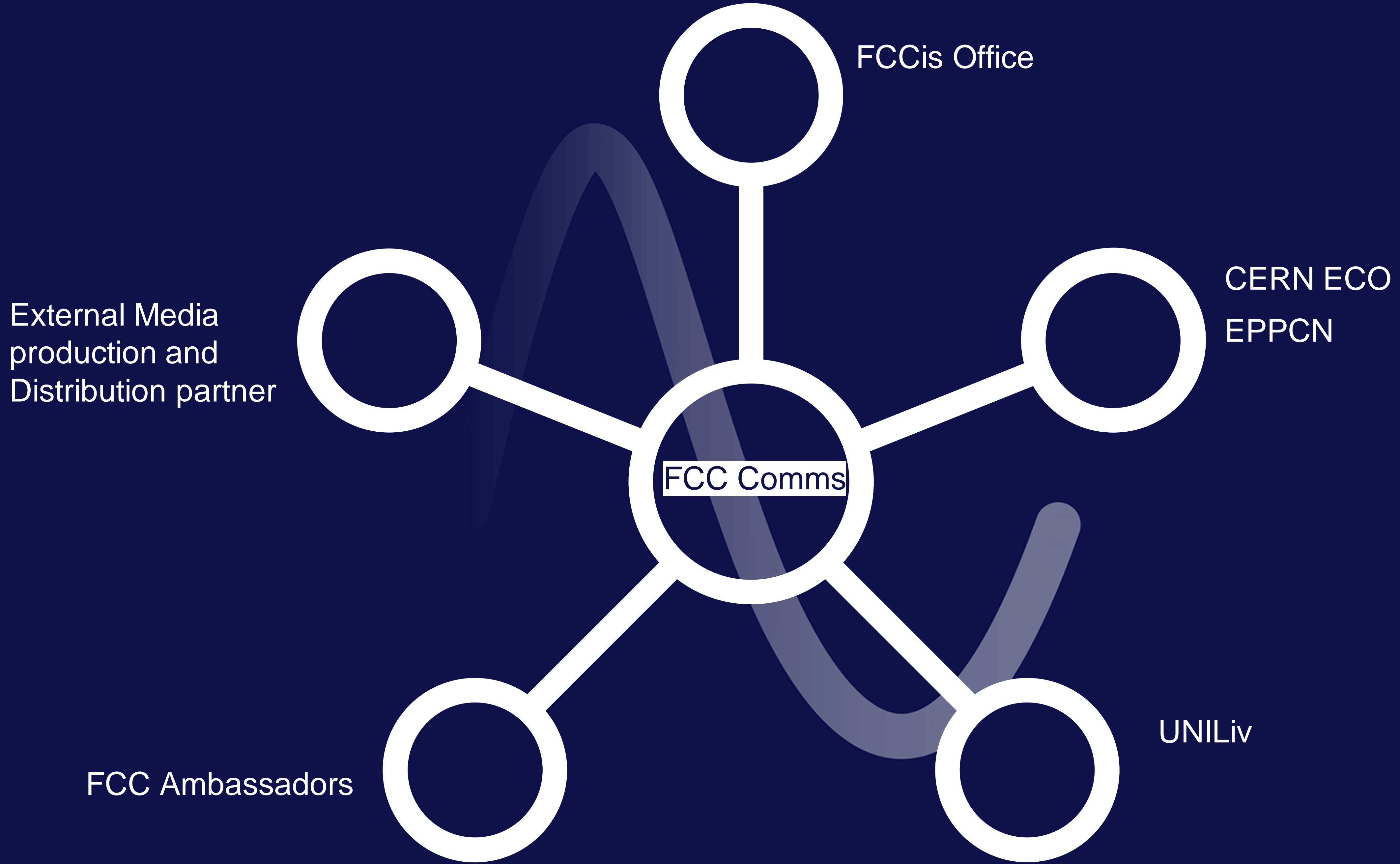
EPPCN

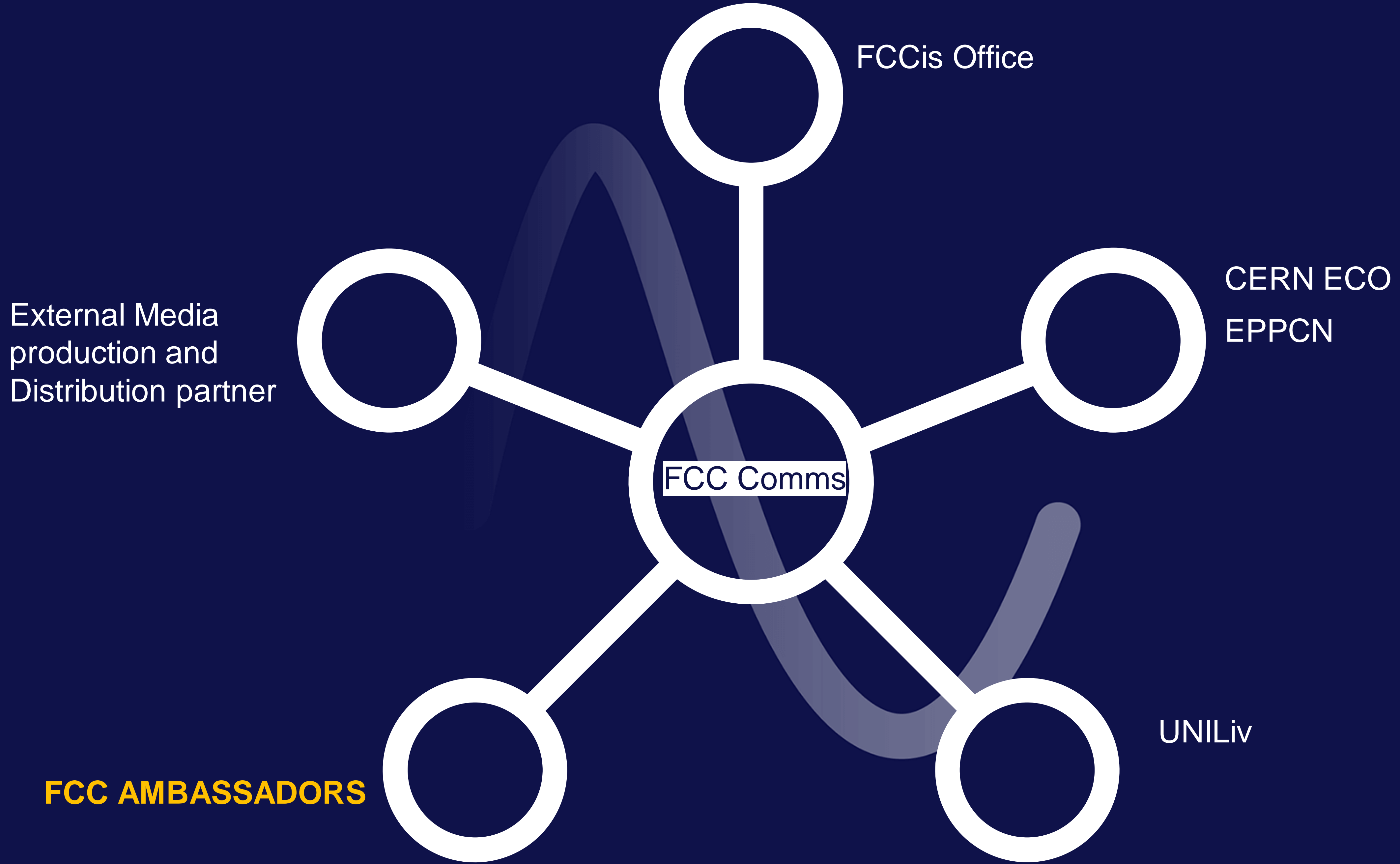
UNIVERSITY OF LIVERPOOL

COMMUNICATIONS PARTNER FOR DISTRIBUTION

FCC AMBASSADORS

COMMUNICATION NETWORK





CHAIR: FCC STUDY OFFICE + MEDIA PARTNER 1

HEAD OF ALL SCIENCE RELATED: CARSTEN WELSCH, UNILIV

HEAD OF ALL NON SCIENCE RELATED: MEDIA PARTNER 1

HEAD OF DISTRIBUTION (MEDIA PARTNER 2)

HEAD OF ADMINISTRATION (FCC STUDY OFFICE)



QUALITY MANAGEMENT / REPORTING



AN OBJECTIVE EXTERNAL EVALUATION AGENCY IS RECOMMENDED (KANTAR,
PRIME)

NEXT STEPS

SET UP DEDICATED TEAM
SET UP IMPLEMENTATION PLAN
COMMUNICATE RESPONSIBILITIES
ENGAGE IMPLEMENTATION

FCC IS

PHYSICS FOR A NEW ERA

Global, Collaborative, Sustainable

THANK YOU