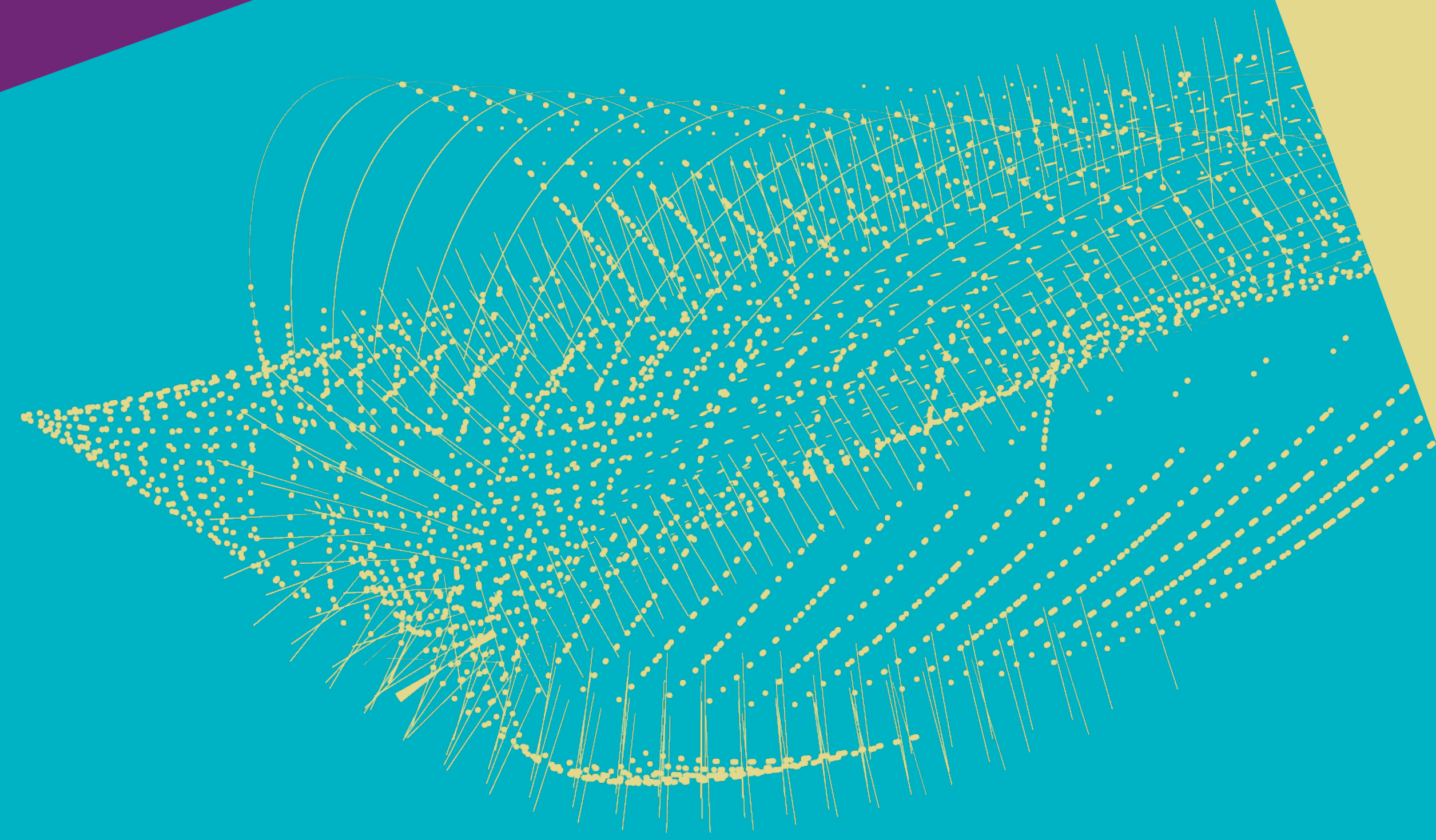


Nikhef



STAFOVERLEG

March 9, 2020

CORONA VIRUS

Follow the advices of the RIVM

- Hygiene - wash hands often
- Cough inside elbow
- Use paper towels

You have full support of DT to cancel your (booked) trip to any place

- Do not travel to (higher) risk area's
- Do not worry if you already booked a trip on financial issues
- Stay home if you dont feel well

Contact Arjen, Pieter or me for any question

OPPORTUNITIES AND BOUNDARIES

Sector plans: new impuls to physics and chemistry

- All Nikhef university partners benefit from new sector plan positions
 - University partners are in the process of filling these positions

NWO-i: no additional funding available

- New CAO (starting 1.1.2020): salary increase 2.6% without compensation
 - Enjoy! But effectively shrinking the budget of NWO-i



LOOKING FORWARD

Funding landscape

- Long term LHC-program will end in 2021
- ENW-GROOT is biggest funding instrument for OIO and PD in coming period
 - Recent success for ATLAS program

Starting point: WP/V at NWO-i *maximally* at a constant level

- Improving the gender balance with new positions

A small number of (mission budget) M-OIO and M-PD positions

- Exact number depends on CAO compensation
- Filling the 'gaps' of programs that failed to get funding
- Discussion and advice via WAR and OPL

VISTA UPDATE

Discuss the future and balance of our scientific portfolio

- In view of the new dynamics - people vs programs

Expected WP/V 2020 - including sectorplan positions

- LHC
 - ATLAS (15)
 - LHCb (12)
 - ALICE (7)
- APP
 - KM3NeT (7)
 - DM (3.5)
 - GW (15)
 - Cosmics (3)
 - eEDM (4)
- Base
 - Theorie (18)
 - PDP (3)
 - R&D (5)

VISTA-UPDATE

Strategy meeting Nikhef “VistaUpdate”

- Nikhef Vista strategy developed in 2017

Setup:

- ***Wednesday June 3rd + Thursday June 4th, 2020***
- Location to be decided

We expect that all Nikhef WP/V will join!

- <https://indico.nikhef.nl/event/2212/>

VISTA-UPDATE

Scientific strategy:

- Update of the Nikhef strategy, with 3 main science-drivers
 - 1. Current strategy has been written in 2017. This is a mid-term internal review.
 - Is the strategy still adequate and do we need modifications?
 - 2. The European Strategy for Particle Physics will become public in May 2020.
 - Review the consequences for Nikhef and positioning as National Lab. In this discussion the APPEC roadmap/strategy and CAN roadmap serve as input as well.
 - 3. The Einstein Telescope attracts a lot of momentum.
 - What is the balance of ET activities at Nikhef and what are future scenarios?
- A number of 'topical themes' - see presentation by Daan

VISTA UPDATE

The goal

- The outcome of the VistaUpdate is a document with an itemized list of recommendations and agreements, to give direction to the future of Nikhef. It will have impact on e.g. hires and investments

The process:

- Today
 - Kick-off the process and ideas
- May 24
 - Publication of the ESPPU - and publication of a questionnaire to the staff
- June 3+4, 2020
 - Strategy meeting itself. Two days discussion and interactions
- June 26
 - Extra staff meeting - to review the outcome of the meeting and (draft) writeup
- August 27
 - Regular staff meeting: Finalize the writeup - end of the VistaUpdate

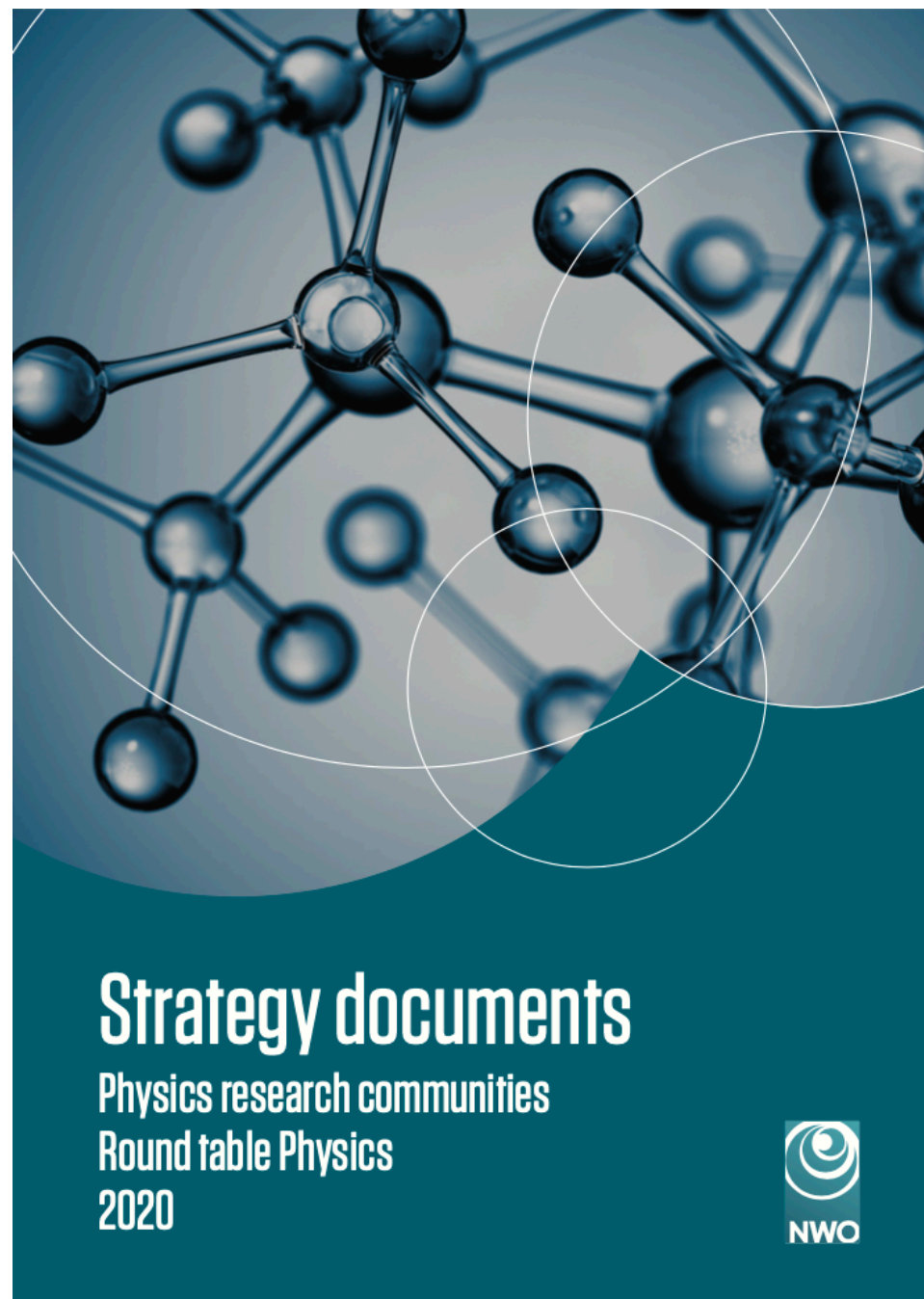
Organisers:

- Patrick Koppenburg
- Daan van Eijk
- Charles Timmermans
- Martijn van Calmthout
- SB

NIKHEF STRATEGY

Summary of our 2017 strategy

- Align with NWO-enw strategy



Pillar I Proven approaches

- Construct the upgrades and exploit the physics of the LHC experiments ATLAS, LHCb and ALICE
- Build KM3NeT phase 2.0 and exploit neutrino (astro)physics
- Exploit the astroparticle experiments Advanced Virgo, XENON1T/nT and the Pierre Auger Observatory
- Fully utilise the theory, detector R&D and computing activities at Nikhef

Pillar II New opportunities

- Determine the electron electric dipole moment with world-class precision
- Prepare for a new era of high-energy accelerators
- Strengthen and exploit the thematic connections between individual scientific programmes
- Prepare a bid to host the Einstein Telescope in the Netherlands

Pillar III Beyond scientific goals

- Establish further links with industry and other third parties in terms of transfer of knowledge generated at Nikhef
- Attract and train a new generation of scientists and engineers
- Modernise the Nikhef branding and building
- Inspire and nurture scientifically aware general audiences

WAR ACTIVITIES

Meeting last year

- Slides Charles

WAR organisation

- WAR has a Chair (CT) and a **Secretary (AvR)**
 - We might need a deputy chair...
- Membership: 3 years (renewable)
- Grant office with chair (CT)
- Advice to the Nikhef director
 - Preparation by subcommittee (3-4 including proponents)
 - Discussion in the WAR and formulation of advice

Grant office –André Mischke

- Grant applications are to be reviewed by the GRANT office in order to improve the application and increase the efficiency of Nikhef applications
 - Helps informing the WAR on new developments
- So far since this summer I received 2 applications which were handled by me.
- Proposed way of working:
 - Grant application is written by proponent
 - Sent to the chair of the grant office (CT)
 - Chair distributes grants to WAR members (or other Nikhef staff) for evaluation (usually response is needed within several days....)
 - I would like a cc of the response to the proponent for our records
- If you agree to this way of working, I will:
 - Advertise the Grant office to Nikhef-all (I will invite them to send applications to me)
 - Start distributing incoming applications

WAR ON PTOLEMY

Request:

- Initiate R&D Ptolemy proof-of-principle detector, initially for 5 years.
 - Little support from engineers and technicians

Advice:

- Yes
 - Phd's and postdocs and equipment only through external funding.
 - The physics goals of PTOLEMY are exciting and fit well within Nikhef strategy

After discussing in OPL

- NWA has been submitted
 - No action until feedback

WAR ON GRAND

Request

- Nikhef signs the GRAND Memorandum of Understanding.
 - This MoU formalizes the current involvement of Nikhef staff in the first stages of the GRAND project

Advice

- Yes sign
 - Full exploitation of Auger- Prime remains the main priority of the Cosmic Rays group

Note

- Potential risks:
 - (i) the physics targets of GRANDProto300 and GRAND10k could be obsolete due to Auger and IceCube;
 - (ii) the affordability of the final GRAND200k phase relies on the assumption of a cost reduction of the detection unit by about a factor 10 compared to now;
 - (iii) the program of Nikhef-Nijmegen risks to lose focus by spreading over too many projects;
 - (iv) success in the GRAND project requires commitments from the broad AUGER community;
 - (v) there exist intrinsic risks (including political considerations) associated to China as a long-term reliable scientific partner, which need to be carefully assessed and re-evaluated after a few years.

ETPATHFINDER RAAD



ETpathfinder Raad

Chair: Koenraad Debackere
 Secretary: Thomas Cleij, Daisy Blaauw
 Treasurer: Linda Lemmens

Nikhef = Stan Bentvelsen, Bas Swinkels
 TU/Eindhoven = Marco de Baar
 Maastricht = Thomas Cleij, Bakir Bulic
 Antwerpen = Ronny Blust, Nick van Remortel
 Hasselt = Marc D'Olieslaeger, Milos Nesladek
 Leuven = Michael De Blauwe, Thomas Hertog
 Gent = Ignace Lemahieu, Dirk Ryckbosch
 Brussel = Mieke Gijsemans, Alexandre Sevrin
 Aachen = Achim Stahl
 Fraunhofer Institute = Peter Loosen
 Liège University = Christophe Collette
 Louvain la Neuve = Giacomo Bruno
 TNO = Christa Hooijer, Ernst-Jan Buijs
 Twente University = Jennifer Herik, Marcel ter Brake
 VITO = Ben Laenen

Industrial Advisory Board (IAB)

AMOS, ASML, Borit NV, Cosine Measurement Systems, DEMACO Holland bv, Denys NV, Fugro, Herrenknecht, Hositrad Vacuum Technology, Innoseis B.V., JPE, LIOF N.V., LRM NV, Materialise, Nedinsco B.V., OIP, Settels Group of Companies, Shell Global Solutions International BV, Smet GWT Europe nv, Strukton, Tata Steel, TRACTEBEL, VDL, Vigi-consult bvba, VNO-NCW-MKB Nederland, Xenics

STAC
 Scientific and Technical Advisory Committee

David Shoemaker (Chair) - MIT
 Viviane Fafone - Rome
 Francesco Fidecaro - Pisa
 Raffaele Flaminio - LAPP
 Brian Lantz - Stanford
 Maddalena Mantovani - EGO
 Ronny Nawrodt - Stuttgart
 Sheila Rowan - Glasgow
 Kazuhiro Yamamoto - Toyama

Project Leader
 Stefan Hild (Maastricht)

Valorisatie Raad (VR)

Health and Safety Committee (HSC)

Bram van der Gaag (Nikhef/Amolf)
 Fokko Zandbergen (Maastricht)
 Nico Reem (Nikhef)
 PL and deputy PLs
 All WP leads and deputies

Workpackage Leaders

WP1: Organisation Lead: Stefan Hild (Maastricht) Deputy: Frank Linde (Nikhef) & Nick van Remortel (Antwerp)	
WP2: Communication Lead: Mariette Wennekers (Maastricht) Deputy: Martine Oudenhoven (Nikhef)	WP5: Seismic Isolation Lead: Alessandro Bertollini (Nikhef) Deputy: Eric Hennes (Nikhef)
WP3: Cleanroom Lead: Paul Kuijjer (Nikhef) Deputy: Marieke Hopman (Nikhef)	WP6: Optics Lead: Jean Pierre Locquet (Leuven) Deputy: Sebastian Steinlechner (Maastricht)
WP4: Vacuum and Cryogenics Lead: Henk-Jan Bulten (Nikhef) Deputy: Dirk Ryckbosch (Gent)	WP7: Controls Lead: Bas Swinkels (Nikhef) Deputy: Wim Beaumont (Antwerp)

Legal/Purchases Team

Daisy Blaauw (Maastricht)
 Linda Lemmens (Maastricht)
 Dylan Brepoels (Maastricht)
 Claudie Abbink (Maastricht)
 Stefan Rademakers (Maastricht)

+ legal and finance team representatives from the ETpathfinder partner institutions

Hall Construction Team

Maastricht University Facility Services. Contact: Jacques Knoppen + Aronsohn Management