Progress Meeting (M30)

Day 1 - Monday 16th May - Instructiezaal 8, The Fellowship (Building 66), TU Delft

09:00-09:15	**Welcome and Introduction** - Dr Sophia Buckingham (VKI)
09:15-10:00	**Project Coordination** - Dr Sophia Buckingham (VKI)
10:00 - 10:30	Coffee Break
	ESRs Presentations - Session 1 (20 min+ 5 min discussion) Development of multi-physics simulation framework applied to rural wind turbine concepts
10:30-11:30	**High-fidelity numerical simulation approaches**
	Baris Kale (VKI) - ABL simulations with uncertain weather parameters and impacts on WT performance and near-field noise
	Mohanad Elagamy (UPM) - Generation of spectral representations of urban wind fields from LES and experimental databases for aeroelastic simulations of wind turbines
11:30 - 12:00	**Structural dynamics**
	Umberto Boatto (SISW) - Aerodynamic loads of very large wind turbines
12:00 - 13:00	Lunch Break
13:00-15:00	**Cost-efficient methods for aeroacoustic simulations of wind turbine noise**
	Laura Botero (UTW) - Fast turn-around methods for wind turbine noise assessment
	Andrea Bresciani (SISW/CSTB) - Low-order aeroacoustic simulation methods for wind turbine noise
	Oscar Marino (UPM) - High order methods for generation and propagation of acoustics of wind turbines
	Andrea Piccolo (TUD/SISW) - Effect of inflow conditions on the source noise of large onshore wind turbines
15:00-15:30	Coffee Break
15:30-16:00	**Advanced flow/acoustic control technologies**
	Nishchay Tiwari (IMP-PAN) - Improvement of model for vortex generator on wind turbine blade
16:00-16:30	**Public acceptance of urban wind energy**
	Iryna Lunevich (WUR) - Reassembling urban low-carbon futures through wind energy imaginaries

Progress Meeting (M30)

Day 2 - Tuesday 17th May - Instructiezaal 8, The Fellowship (Building 66), TU Delft

ESRs Presentations - Session 2 (20 min+ 5 min discussion)
Development of multi-physics simulation framework applied to urban wind turbine concepts

09:00-10:30	**Aerodynamic performance and noise emissions of building mounted WT concepts** **José Manoel Guimarães (TUD)** - Aeroacoustic optimization of ducted wind turbines **Rui Goncalves (VKI/SISW)** - Aerodynamic and aeroacoustics installation effects of building-integrated wind turbines **Erfan Farhikhteh (NTUA)** - Adjoint-based aerodynamic and aeroacoustic shape optimization of roof- and ground-mounted HAWTs in the built-environment
10:30 - 11:00	Coffee Break
11:00-12:30	**Characterization of noise generated by Vertical-Axis WT concepts** **Shubham Shubham (NTU)** - Harvesting wind energy in complex urban environments - aerodynamic and aeroacoustic study of small-scale VAWTs **Kartik Venkatraman (VKI)**- Wind energy in complex/urban environments **Shivangi Sachar (IMP-PAN)** - Small VAWTs and HAWTs for municipal, low noise applications
12:30 - 13:30	Lunch Break
13:30 - 15:30	**Status update on the definition of the benchmarks** **SGRE lead & participating ESRs** - T5.1: Large onshore Wind Turbine **VKI lead & participating ESRs** - T5.2: Complex terrain Perdigao **NTU lead and participating ESRs** - T5.3: Urban canopy
15:30-15:45	**Closing remarks**
15:45 - 16:00	Coffee Break
16:00-17:30	**Transversal Skills Training - Presentation Skills** Prof. Christophe Schram (VKI)
19:00	Dinner

Public Workshop on Gender Issues

Day 3 - Wednesday 18th May - Instructiezaal 8, The Fellowship (Building 66), TU Delft

09:00-10:30	**Gender Equality in Science in Europe in the last years** Prof. Thomas Berghoefer (Deutsches Elektronen Synchrotron)
10:30-11:00	Coffee Break
11:00 - 12:30	Round Table Discussion **"Gender Inequality in STEM working towards sustainability"** Moderator Prof. Vanessa Magnanimo (U. Twente)
12:30-13:30	Lunch Break
13:30-15:00	**New Leadership Development to Change Tomorrow Today** Claudia Hopman
15:30	**Social activity ESRs**

Training activities for the ESRs

Day 4 - Thursday 19th May - Collegezaal E, Faculty of Aerospace Engineering, TU Delft

9:00–10:00	**Lecture - Introduction to optical measurements** Dr Daniele Ragni (TUD)
10:00-11:00	**Lecture - Advanced PIV post-processing** Dr Francesco Avallone (TUD)
11:00-11:30	Coffee Break
11:30–13:00	**Laboratory experience Group 1 (8 people)** Dr Daniele Ragni (TUD)
13:00-14:00	Lunch Break
14:00-15:30	**Laboratory experience Group 2 (8 people)** Dr Francesco Avallone (TUD)
15:30-16:00	**Recap data analysis and closure** Dr Daniele Ragni & Dr Francesco Avallone (TUD)

Day 5 - Friday 20th May - Instructiezaal 8, The Fellowship (Building 66), TU Delft

9:00-10:30	**Lecture - Simulating aeroacoustic propagation with high-order unstructured methods** - Dr Hadrien Bériot (SISW)
10:30-11:00	Coffee Break
11:00-12:30	**MATLAB hands-on session about high-order finite element method** Dr Hadrien Bériot (SISW)
12:30-13:30	Lunch Break
13:30-15:30	**Lecture - Two signal synthesis techniques for real time auralization systems** - Dr Julien Maillard (CSTB)
15:30-16:00	Coffee Break
16:00-17:00	**MATLAB hands-on session on 1/nth octave band filtering** Dr Julien Maillard (CSTB)

TU DELFT CAMPUS

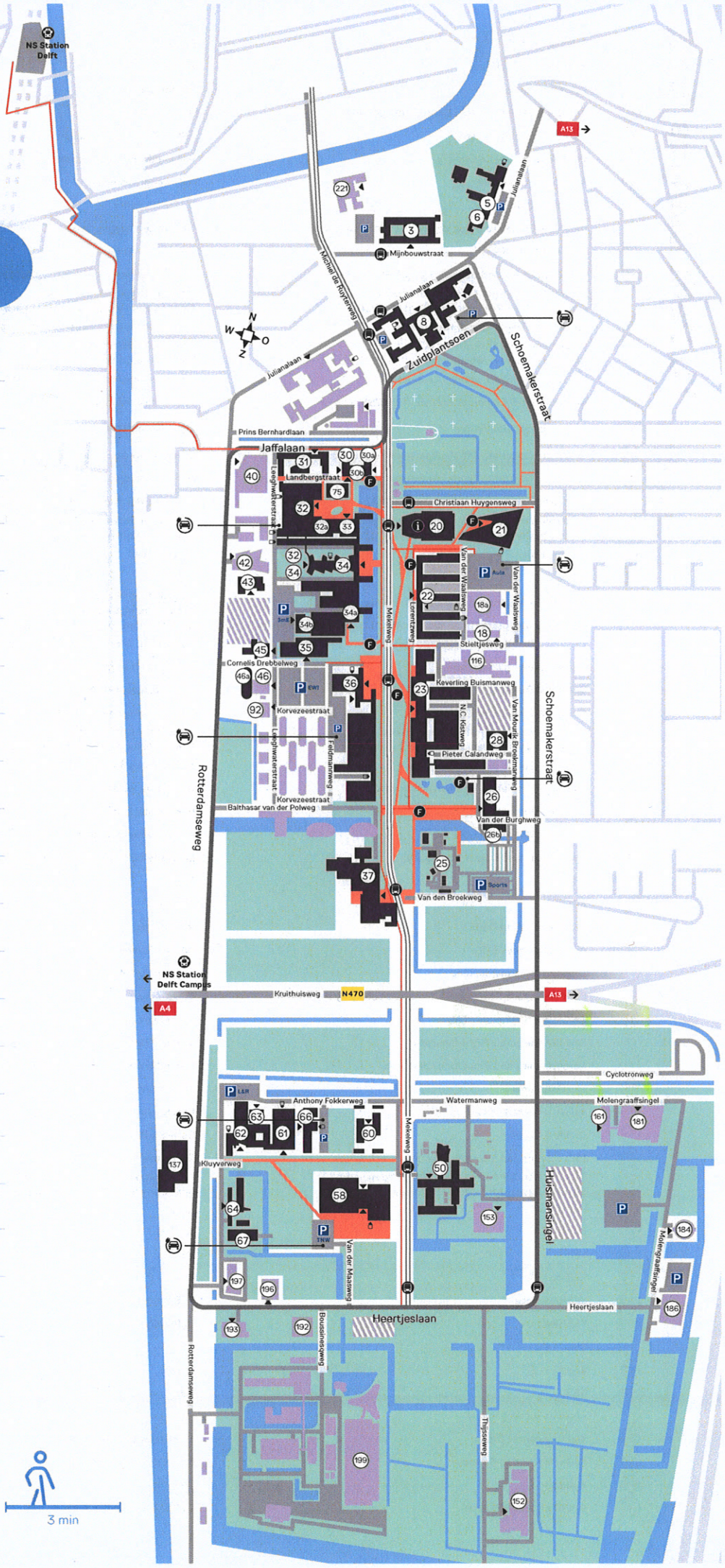
Map/Plattegrond

LEGEND / LEGENDA

- TU buildings / TU gebouwen
- Other buildings / Overige gebouwen
- (20) Building number / Gebouwnummer
- (Main) entrance building / (Hoofd)ingang gebouw
- Delivery entrance / Goedereningang
- TU roundway / TU ring
- Road / Autoweg
- Bus track / Busbaan
- Cycle path / Fietspad
- Pedestrian area / Voetgangersgebied
- Bus stop / Bushalte
- Train station / Treinstation
- Electric Charging Station / Elektrische laadpaal
- Parking / Parkeerplaats
- Park / sport field / grass surface / Park / sportveld / gras
- Water
- Area under construction / Gebied in ontwikkeling
- Freezones
- Information Desk TU Delft / Tel: +31 (0)15 27 88022

See page 2 for building list and addresses
Zie pagina 2 voor gebouwenlijst en adressen

September 2021



TU Delft Campus

Building list
Gebouwlijst

NR	NAME	NAAM	ADDRESS / ADRES
3	Science Centre	Science Centre	Mijnbouwstraat 120
5	RoboValley, RoboHouse	RoboValley, RoboHouse	Julianalaan 67-A
6	Botanical Garden	Botanische tuin	Poortlandplein 6
8	Architecture and the Built Environment (Arch)	Bouwkunde (BK)	Julianalaan 134
18	TNO Science and Industry	TNO Industrie en Techniek	Stieltjesweg 1
18a	Van Leeuwenhoek Laboratory	Van Leeuwenhoek Laboratorium	Van der Waalsweg 16
20	Aula Conference Centre	Aula Congrescentrum	Mekelweg 5
21	TU Delft Library	TU Delft Library	Prometheusplein 1
	University Corporate Office, department: Communication	Universiteitsdienst, directie: Communication	Prometheusplein 1
22	Applied Physics (AS)	Technische Natuurkunde (TNW)	Lorentzweg 1
23	Civil Engineering and Geosciences (CEG)	Civiele Techniek en Geowetenschappen (CiTG)	Stevinweg 1
	University Corporate Office, departments: Finance, Human Resources and Legal Services	Universiteitsdienst, directies: Finance, Human Resources en Legal Services	Stevinweg 1
25	The Green Village, Cooperation Centre	The Green Village, Cooperation Centre	Van Den Broekweg 4
26	Blockchain, Delft Enterprises, M2I, Valorisation Centre, Bouwcampus	Blockchain, Delft Enterprises, M2I, Valorisation Centre, Bouwcampus	Van der Burghweg 1
26b	Workcouncil, unions, student councils	Ondernemingsraad, vakbonden en studentenraden	Van der Burghweg 2
28	Mathematics & Computer Science (EEMCS)	Wiskunde & Informatica (EWI)	Van Mourik Broekmanweg 6
30	International Child Center	International Child Center	Jaffalaan 9
30a	University Corporate Office, department: Education & Student Affairs	Universiteitsdienst, directie: Education & Student Affairs (ESA)	Jaffalaan 9a
30b	University Corporate Office, department: Campus and Real Estate	Universiteitsdienst, directie: Campus and Real Estate	Landbergstraat 8
31	Technology, Policy and Management (TPM)	Techniek, Bestuur en Management (TBM)	Jaffalaan 5
32	Industrial Design Engineering (IDE), NewMedia Centre, University Corporate Office, department: ICT & FM	Industrieel Ontwerpen (IO), NewMedia Centre, Universiteitsdienst, directie: ICT & FM	Landbergstraat 15
32a	Teaching lab	Teaching Lab	Landbergstraat 15
33	Pulse	Pulse	Landbergstraat 15
34	Mechanical, Maritime and Materials Engineering (3mE)	Werktuigbouwkunde, Maritieme Techniek en Technische Materiaalwetenschappen (3mE)	Mekelweg 2
	University Corporate Office, department: Strategic Development	Universiteitsdienst, directie: Strategic Development	Mekelweg 2
34a	Executive Board / Supervisory Board	College van Bestuur / Raad van Toezicht	Cornelis Drebbelweg 9
34b	Process & Energy Laboratory	Process & Energy Laboratory	Leeghwaterstraat 39
35	Education Building 35	Onderwijsgebouw 35	Cornelis Drebbelweg 5
36	Electrical Engineering (EEMCS)	Electrical Engineering (EWI)	Mekelweg 4
	University Corporate Office, department: Electronic and Mechanical Support Division	Universiteitsdienst, directie: Dienst Elektronische en Mechanische Ontwikkeling (DEMO)	Mekelweg 4
37	X (former Sports & Culture)	X (Voormalig Sport & Cultuur)	Mekelweg 8
40	The Hague University of applied sciences	Haagse Hogeschool	Rotterdamseweg 137
42	Inholland University	Hogeschool Inholland	Rotterdamseweg 141
43	Combined Heat and Power Plant	Warmte Krachtcentrale	Leeghwaterstraat 36
45	Low-speed Wind Tunnel Laboratory	Lage-snelheid Windtunnel Laboratorium	Leeghwaterstraat 42
46	TNO	TNO	Leeghwaterstraat 44
46a	API-hall	API-hal	Cornelis Drebbelweg 2
50	Reactor Institute Delft	Reactor Instituut Delft	Mekelweg 15
58	Applied Sciences (AS)	Applied Sciences (TNW)	Van der Maasweg 9
60	Logistics and Environment	Logistiek en Milieu	Anthony Fokkerweg 5
61	Delft Aerospace Structures & Materials Laboratory	Vliegtuighal	Kluyverweg 3
62	Aerospace Engineering (AE)	Luchtvaart- en Ruimtevaarttechniek (LR)	Kluyverweg 1
63	SIMONA Research Flight Simulator	SIMONA Research Flight Simulator	Anthony Fokkerweg 1
64	Aerodynamics and Propulsion Laboratory	Laboratorium voor Aerodynamica en Voortstuwing	Kluyverweg 2
66	The Fellowship	The Fellowship	Kluyverweg 5
67	Industrial Catalysis Lab	Katalyselab	Kluyverweg 4
75	Coffee & Bikes	Coffee & Bikes	Landbergstraat 23-25
92	TNO Science and Industry, Separation Technology	TNO Industrie en Techniek, Scheidingstechnologie	Leeghwaterstraat 46
116	Food Station, Café Labs, Grand Café The Hangout, Spar University, AKO Bookshop, Leapp	Food Station, Café Labs, Grand Café The Hangout, Spar University, Ako boekenwinkel, Leapp	Stieltjesweg
	Hairstylist	Kapper	Van Mourik Broekmanweg 2a
137	SAM|XL	SAM|XL	Rotterdamseweg 382c
152	VSL	VSL	Thijsseweg 11
153	Holland PTC	Holland PTC	Huismansingel 4
161	YES!Delft labs	YES!Delft labs	Molengraaffsingel 10
181	YES!Delft	YES!Delft	Molengraaffsingel 12
184	3M	3M	Molengraaffsingel 2
186	Exact	Exact	Molengraaffsingel 33
192	ABB	ABB	Heertjeslaan 6
193	Applikon Biotechnology	Applikon Biotechnology	Heertjeslaan 2
196	The Datacenter Group	The Datacenter Group	Heertjeslaan 1
197	Radex Innovation Centre	Radex Innovation Centre	Rotterdamseweg 183-C
199	Deltares	Deltares	Rotterdamseweg 195
221	DUWO onderwijslocatie	DUWO education location	Professor Schermerhornstraat 4

Where to stay in Delft:

Best Western Museum Hotel Delft **

www.museumhotels.nl
Phoenixstraat 50A, 2611 AM Delft
info@museumhotels.nl
+31 15 2153070

Hampshire Hotel Delft Centre **

www.hoteldelftcentre.nl
Koeportplaats 3, 2612 RR Delft
reservations@hoteldelftcentre.nl
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WestCord Hotel Delft **

www.westcordhotels.nl
Olof Palmestraat 2, 2616 LM Delft
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+31 015-8889010

Hotel de Plataan Delft Centrum *

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+31 015-2126046