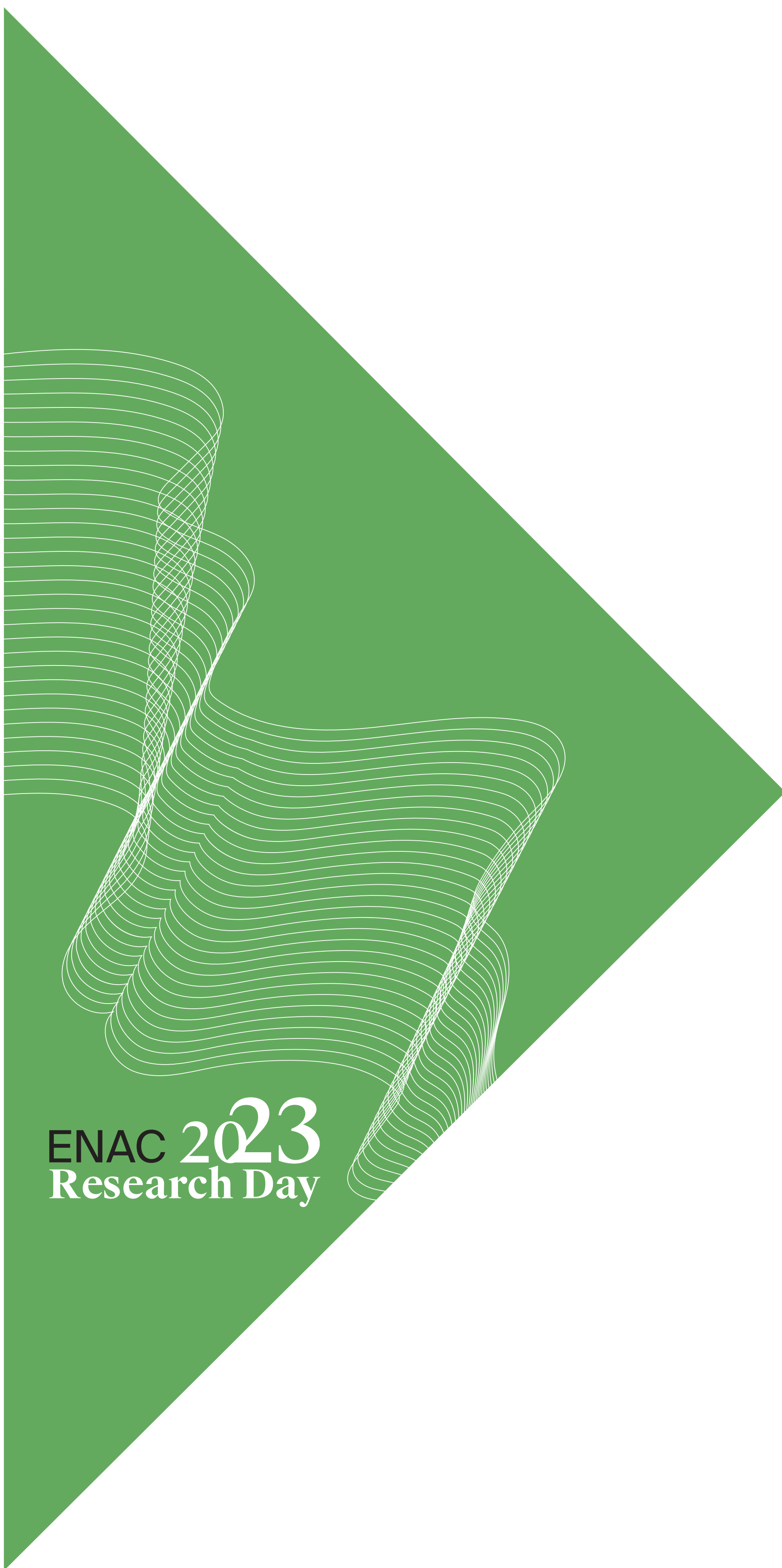
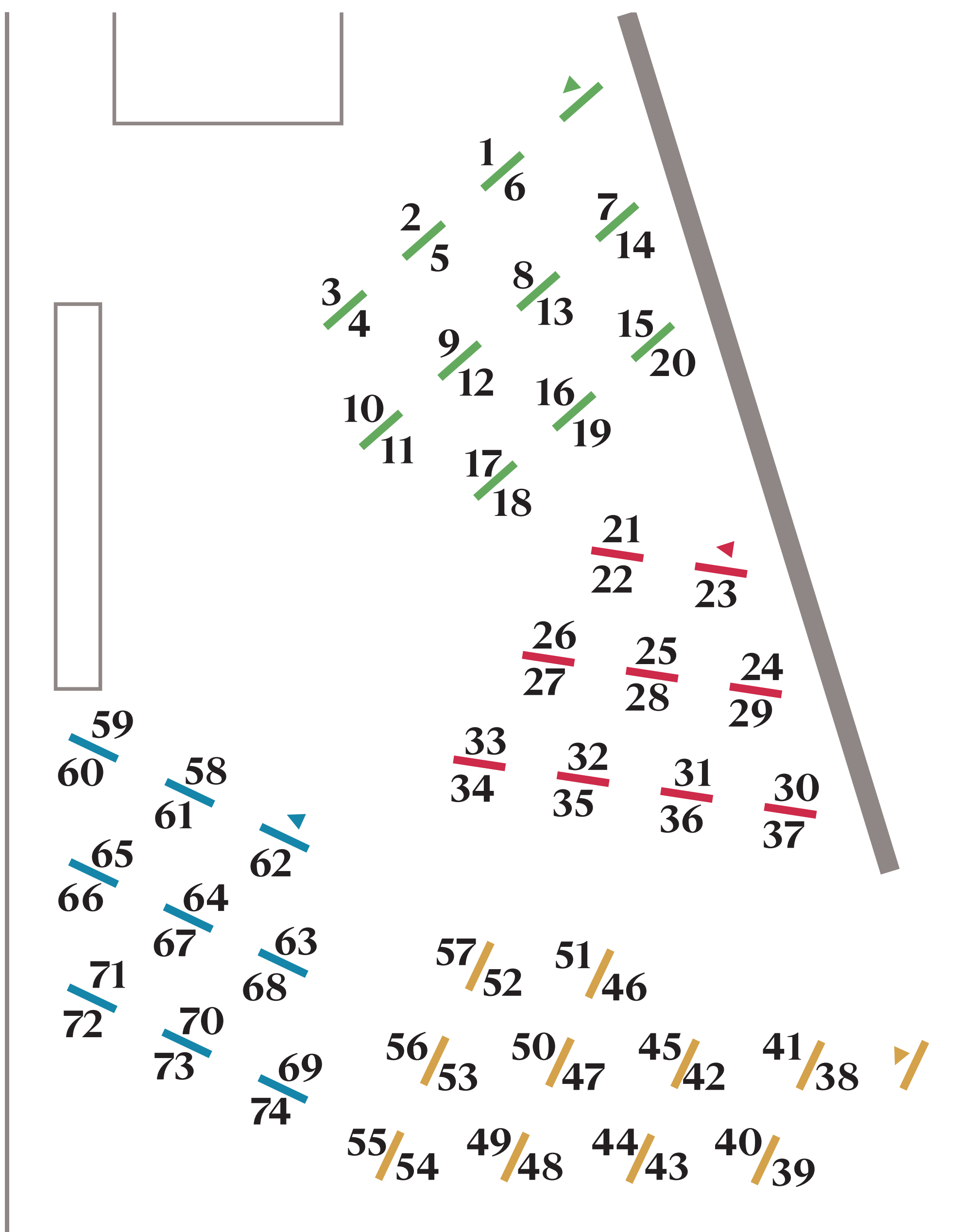


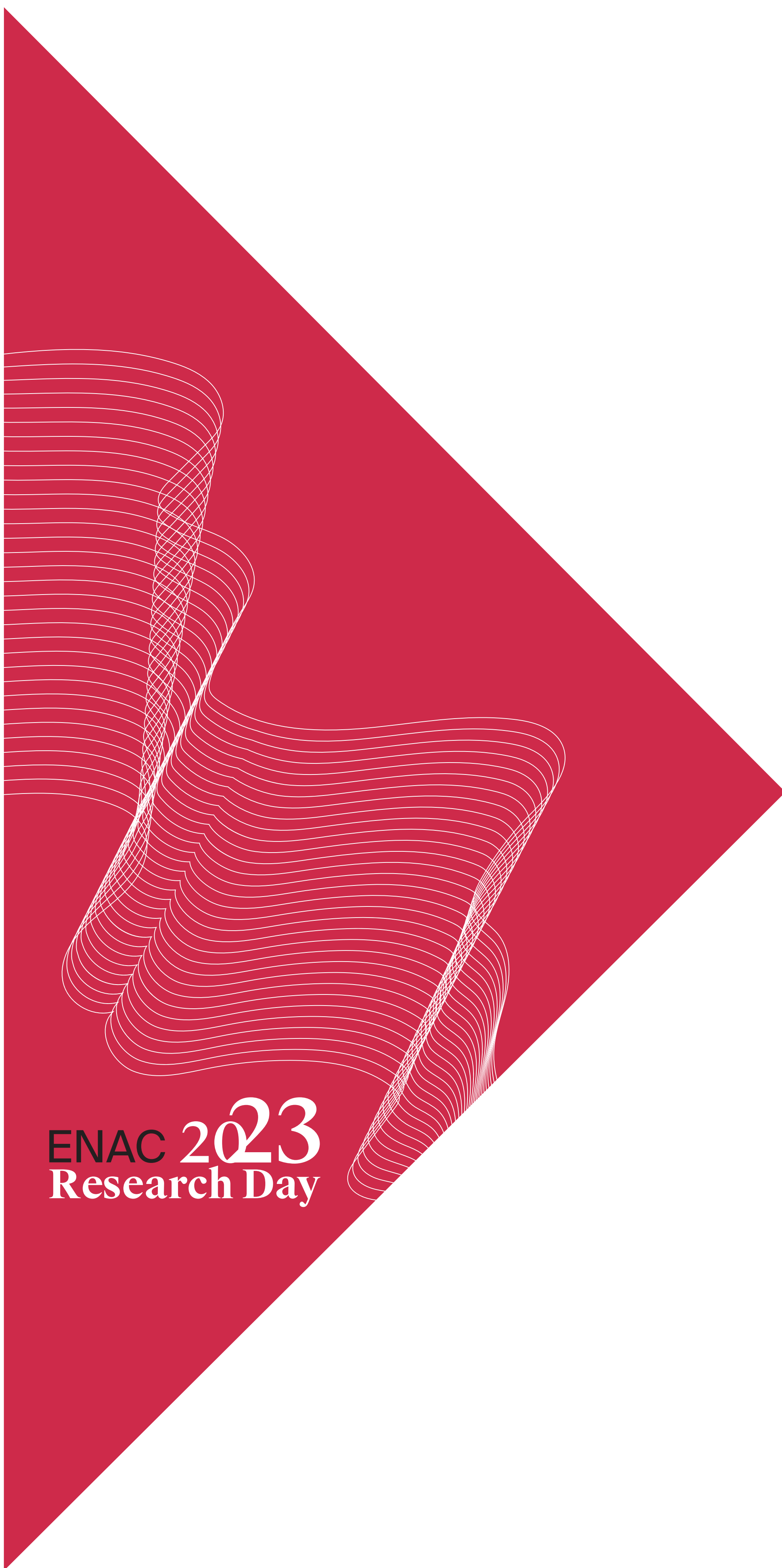
Climate change and ecosystem health



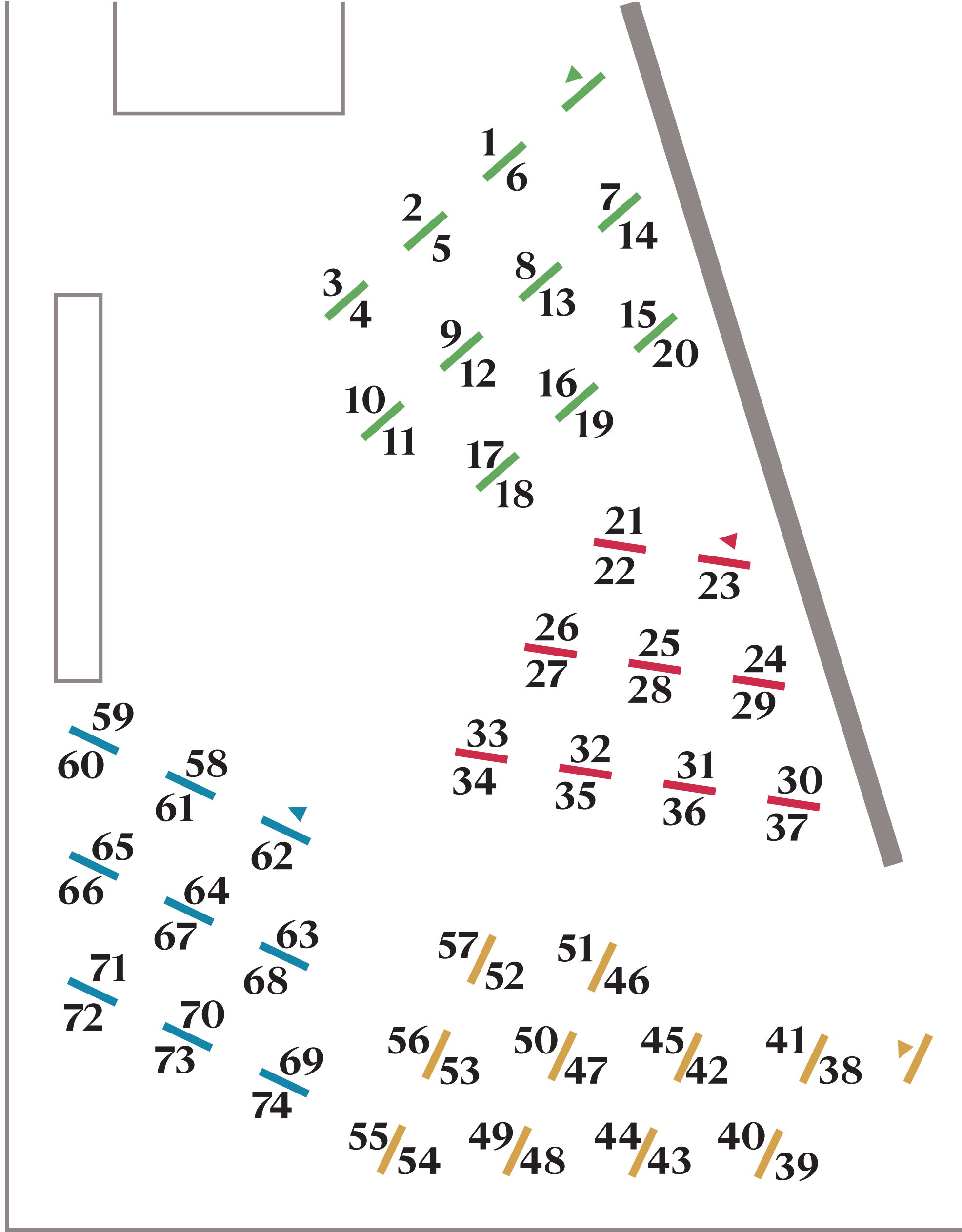
#	Name		Lab	Poster Title
1	Bassani	Francesca	CHANGE	Towards a metabolic theory of catchments: scaling of water and carbon fluxes with size
2	Jin	Wanting	DISAL	Towards efficient gas leak detection in built environments: data-driven plume modeling for gas sensing robots
3	Sauder	Jonathan	ECEO & LGB	Scalable semantic 3D mapping of coral reefs with deep learning
4	Moallemi	Alireza	EERL	The application of stereoscopic imaging to study the links between atmospheric aerosols and ocean surface properties in the high Arctic
5	La Haye	Jesse	ESO - CRYOS	High resolution airborne sensing for tree-line shift detection under climate change
6	El Khoury	Charbel	GEOME - LGB	Developing a joint species distribution model for plant species in Switzerland using remotely sensed data and computer vision
7	Vieira Ruas	Marco	GEOME - LGB	Brain health in the context of climate change - association between mood disorders, white matter and land surface temperature
8	Masset	Thibault	GR-CEL	Effects of tire particles on the reproduction of earthworms (<i>Eisenia andrei</i>) and bioaccumulation of tire-related chemicals in soil and aquatic organisms
9	Borgmeyer	Tobias	GR-LUD	Targeted solution for end-of-life (bio)plastic degradation
10	Maiorano	Emanuela	GR-LUD	Electrochemical sensor for the detection of plastic-degrading microbes
11	Faghih Niresi	Keivan	IMOS	Spatial-temporal graph attention fuser for calibration in IoT air pollution monitoring systems
12	Ricard	Lucile	LAPI	Response of precipitation to dynamical drivers in the tropics
13	Marsh Bergner Lenczner	Grace Nora Gaston	MACE EERL ECEO	Ecological and climate impacts of Greenlandic glacial outwash plains
14	Mas	Eugénie	PERL	The power of diversity: how biodiversity can fight extreme drought effect in forest
15	Juillard	Thibaut	PERL	Keep palm and assimilate: less seasonal changes in <i>T. fortunei</i> 's physiology makes it invasive
16	Kang Eliyahu-Yakir	Junjia Yahel	PL-LCH	Root asymmetry growth in response to hydromechanical forcing tempers soil erosion
17	Bourquin	Massimo	RIVER	Predicting the global response of the glacier-fed streams and their bacterial microbiome to climate change
18	Beckendorff	Dorothee	URBDEMO	Who has to go and who gets to stay? Examining the links between climate change induced migration and educational attainment in Chile
19	Marmello	Giulia	SOIL	Assessing soil organic matter formation in soils amended with microbial consortia
20	Gugerli	Rebecca	LTE	Probabilistic quantitative precipitation estimation based on a random forest approach and operational polarimetric measurements from the Swiss radar network



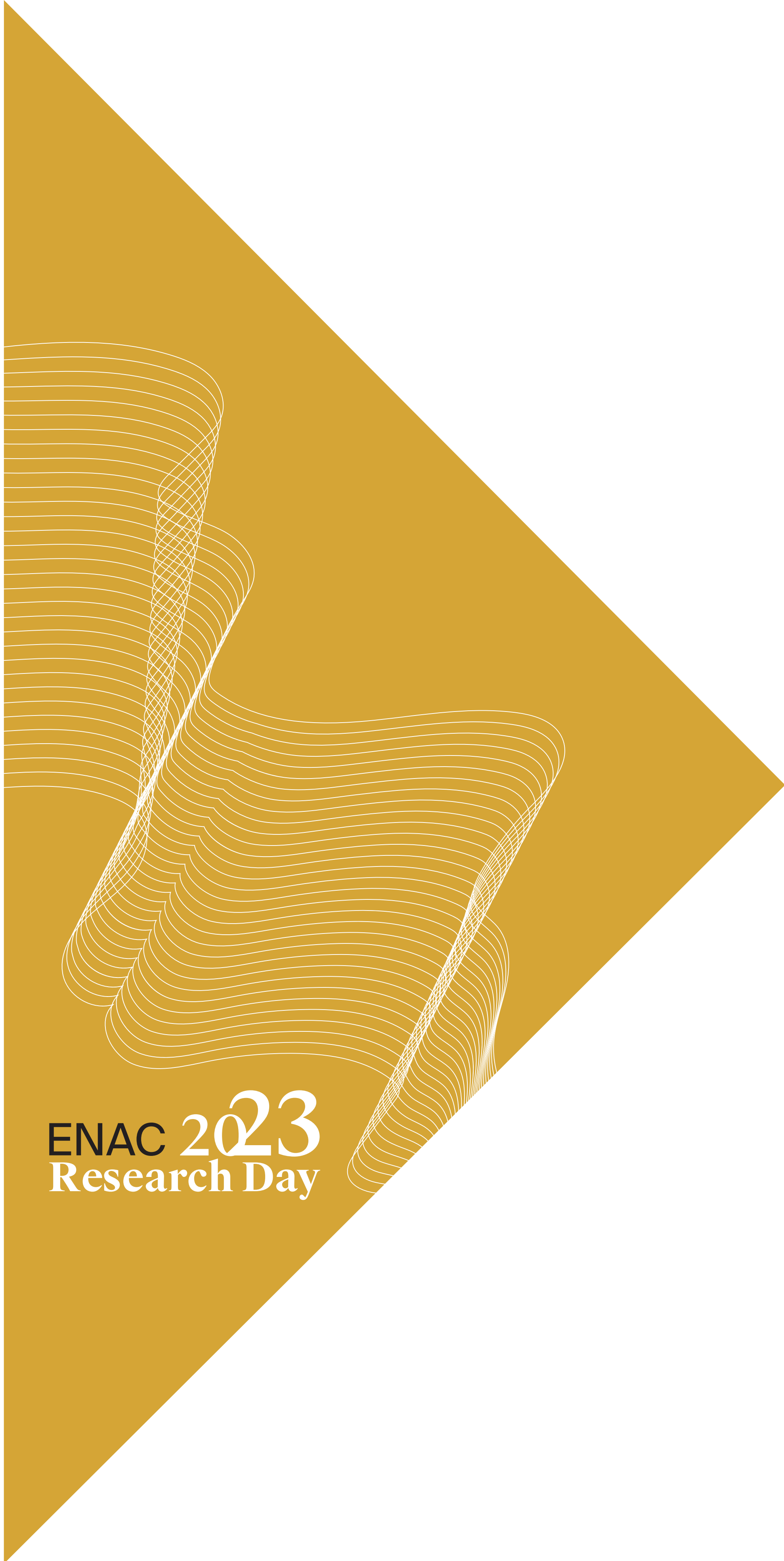
Sustainable construction and energy transition



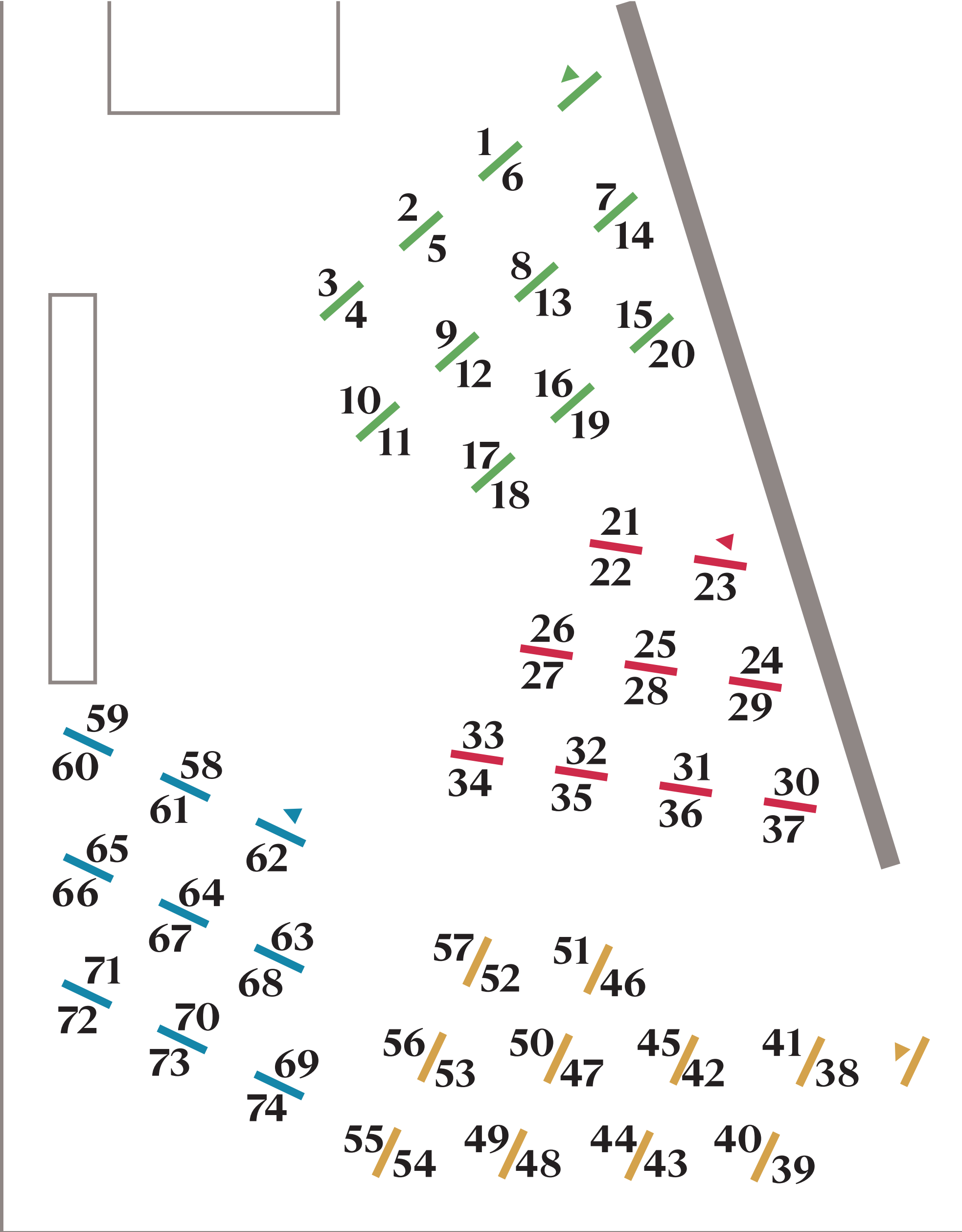
#	Name		Lab	Poster Title
21	Wang	Qianqing	EESD	Automated planning for the construction of dry-stack masonry walls with natural stones
22	Sharma	Aman	ESO - CRYOS	Drone-enabled wind estimation using low-fidelity aerodynamic modeling
23	Peruzzo	Carlo	GEL	A 3D-planar hydraulic fracture solver
24	Gupta	Ankit	GEL	Fully coupled hydromechanical solver for hydraulic stimulations
25	Barsanti	Matteo	HERUS	Costs, renewable energy, grid stability or constraining practices? Unravelling the complexity of residential energy demand flexibility through an adaptive survey
26	Llabjani	Qazim	LMS	Mechanistic understanding of gas transport processes in shales
27	Fuselier	H��lo��se	LMS	Thermo-hydro-mechanical behaviour of a highly indurated clay in the context of nuclear waste deep disposal
28	Babiy	Svetlana	LMS	New insights for chemo-hydro-mechanical modelling of engineered geotechnical barriers
29	Xue	Jie	MICROBE	Effects of dynamic substrate supply on methanogenesis
30	Warmuth	Jonas	SXL	Computational conceptual design – exploring structural forms through optimization
31	K��pfer	C��lia	SXL	Reusing concrete is more common than you think! History and potential of past and emerging applications
32	Brandi	Aldo	URBES	Numerical investigation of wind energy potential in urban environments
33	Duan	Guiyue	WiRE	Wind tunnel study on wind farm power optimization and wake effects
34	Brugger	Peter	WiRE	Improvement and validation of a statistical wake meandering model using Doppler LiDAR measurements at a utility-scale wind turbine
35	Vahidi	Dara	WiRE	A physics based wind turbine wake expansion model; insights and applications
36	Duque	Sebastian	Building2050	Collaborative platform for EPFL campus building data
37	Aguacil	Sergi	Building2050	Building photovoltaics in time and space



Sustainable territories and human well-being



#	Name		Lab	Poster Title
38	Orap	Elena	ALICE	Ukraine. Architecture of emergency
39	Pessoa Colombo Akpedze Konou	Vitor	CEAT	African contributions to global health and sustainable cities
		Akuto		
40	de Roulet Baraka Munyaka	Pablo Jean-Claude	CEAT	Using GIS to enhance the sustainability of territories in the Global South: studying droughts and rural mobility
41	Favero	Matteo	ETHOS	Analysis of thermal comfort data: are we doing it right?
42	Shoji	Kanaha	ETHOS	Walkability in the cities: data-driven analysis on the human and built environment relationships
43	Góngora	Juan	GR-CEL	Boomerang effect of plastics in the Anthropogenic Era. A preliminary study of inhaled MPs in humans
44	Singhvi	Ankita	HERUS	Campus living lab: experimental study of temporary interventions in public space
45	Serra Coch	Gloria	HERUS	What is my neighbourhood? The impact of boundary definition in the measurement of socioeconomic and environmental characteristics in urban systems
46	Yun	Seoyeon	HOBEL	Occupancy and personal exposure detection by using smart sensors in two office buildings
47	Gitai	Ben	HRC	The Landscape Atlas of Paris
48	Pietropolli	Tommaso	HRC - Lab- U	Towards a metropolitan infrastructure of socio-ecological continuity
49	Masse	Florian	LaSUR	Seasonal activities between mountains and lakes
50	Curnier	Sonia	LaSUR	Children on campus
51	Schaub	Aline	LCE	Tackling airborne transmission of flu: what fluid components modulate infectivity of influenza A virus in respiratory droplets?
52	Swietek	Adam	LEURE	Estimating real estate devaluation risk with simulated 3D-city models
53	Cho	Yunni	LIPID	Dynamism of view-out in relation to daylight
54	Irving Van Mol	Meghan Romain	PL-LCH	Hydraulic engineering and ecology - river widenings and fish migration continuity
55	Du	Wenxiu	URBDEMO	Functional urban areas – application of the concept on real-world data
56	Breider	Florian	GR-CEL	Characterization, distribution and temporal evolution the plastic pollution in Lake Geneva
57	Licina Kohn	Dusan Tamar	HOBEL	It's getting crowded in here: balancing indoor climate regulation and pathogen control to minimize energy use and public health burden in urban environments



Digitalization of cities and infrastructure



#	Name		Lab	Poster Title
58	Salgado	Xlmena	CEAT	SenseCity Africa: a geolocated image dataset to bring AI models closer to african cities
59	Merhi	Elias	CONSTRUCT	The panel element tester: investigating concrete crack kinematics under non-proportional load paths
60	Wang	Jingwen	CRCL	Autonomous robotic assemblies
61	Skevaki	Eleni	CRCL	Interacting with construction robots: human-robot timber assemblies
62	Pittiglio	Alexandra	CRCL	Bending it together: human-robot teams for collaborative bending-active timber elements
63	Porta	Hugo	ECEO	Detecting critical events without labels for railway infrastructure monitoring
64	Haindl	Mathias	EESD	Using image-based inspection for improving response predictions of earthquake-damaged buildings
65	Pantoja-Rosero	Bryan	EESD	Image-based post-earthquake damage assessment
66	Momeni	Seyyed-maalek	GEL	Automatic fracture monitoring and its impact on community safety and environmental sustainability
67	Zhao	Mengjie	IMOS	Dynamic graph attention for anomaly detection in heterogeneous sensor networks
68	Nejjar	Ismail	IMOS	Acoustic and voltage-based predictive maintenance for metal surface coating nozzles
69	Kim	Frederick Chando	LDM	Text2Form diffusion: framework for learning curated architectural vocabulary
70	Johanes	Mikhael	LDM	Generative isovist transformer: machine learning for architectural spatial sequence synthesis
71	Tak	Yura	LUTS	Monitoring outdoor parking in urban areas with UAVs
72	Espadaler-Clapés	Jasso	LUTS	The effect of traffic congestion in noise emissions based on detailed trajectory data collected from UAVs
73	Anagnostopoulos	Georg	LUTS	Riding between the lanes
74	Bijelic	Nenad	RESSLab	Data-centric machine learning in natural hazards engineering and A.I. in civil engineering education

