

# IGC

## INTERNATIONAL GEODESIGN COLLABORATION

Changing Geography by Design

February 22–24, 2020 | Esri Headquarters Redlands, CA

### Key IGC Activities

On the morning and afternoon of Sunday, February 23, and the morning of Monday, February 24, team representatives will present their projects in the Esri auditorium, one-third in each session. Each team will have seven minutes for a preset and presequenced PowerPoint presentation limited to eight slides. Each IGC attendee will vote to select four presentations for showing at the Monday, 5:00 p.m., pre-Geodesign Summit session.

Also, on Sunday and Monday, there will be four workshop sessions, two each day, focused on refining aspects of the IGC geodesign requirements, guidelines, and workflow. The overarching question is, How can IGC use the patterns of similarity and difference among projects to guide geodesign in addressing global change?

The outline schedule for the IGC event is as follows:

Saturday, February 22			
5:00 PM	IGC Opening Social Includes a 20-second self-introduction by school representatives	Esri Café	
Sunday, February 23			
8:30 AM–8:50 AM	Welcome and Overview of IGC 2019–20	Auditorium	– Carl Steinitz and Brian Orland
8:50 AM–9:00 AM	Logistics	Auditorium	– Ryan Perkl
9:00 AM–10:00 AM	IGC Study Presentations	Auditorium	– Brian Orland and Mike Gould, MCs
10:00 AM–10:30 AM	Coffee Break	Atrium	
10:30 AM–11:45 AM	<b>Discussion Groups A</b> (Breakout Rooms): How did the 8 + 2 system constraint work for teams? Should that directive be adjusted—and how—to still achieve project-to-project comparability?	Q1WB M1e Triplex #1 M1e Triplex #2	– Allan Shearer (Reporter) – Miran Day – Mintai Kim
11:45 AM–12:30 PM	Education for Geodesign	Auditorium	– Carl Steinitz
12:30 PM–1:30 PM	Lunch	Esri Café	
1:30 PM–2:30 PM	IGC Study Presentations	Auditorium	– Brian Orland and Mike Gould, MCs
2:30 PM–3:00 PM	Coffee Break	Atrium	
3:00 PM–4:15 PM	<b>Discussion Groups B</b> (Breakout Rooms): How did the Sustainable Development Goals evaluations work in enabling scenario-to-scenario and project-to-project comparison?	Q1WB M1e Triplex #1 M1e Triplex #2	– Jennifer Swift (Reporter) – Brian Deal – Galen Newman
4:15 PM–5:30 PM	Summary Discussion from Groups A and B	Auditorium	– Tom Fisher – Group A Discussion Leaders – Group B Discussion Leaders

## Monday, February 24

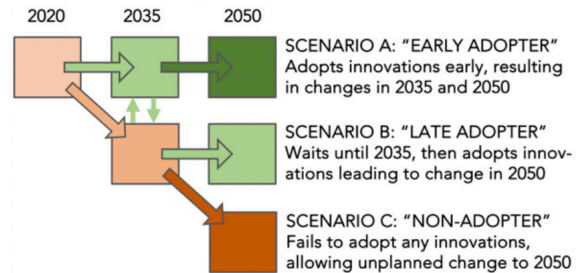
8:30 AM–9:30 AM	IGC Study Presentations	Auditorium	– Brian Orland and Mike Gould, MCs
9:30 AM–10:45 AM	<b>Discussion Groups C (Breakout Rooms):</b> How might IGC broaden its scope to embrace other geodesign strategies and scenarios while maintaining the requirement of project-to-project comparability?	Auditorium M1e Triplex #1 M1e Triplex #2	– Michele Campagna (Reporter) – Jörg Rekitte – Brent Chamberlain
10:45 AM–11:15 AM	Coffee Break	Atrium	
11:15 AM–NOON	For informal discussion: The Possibility of a Global Geodesign Project	Auditorium	– Carl Steinitz – Brian Orland
NOON–12:15 PM	Group Photo	Esri Headquarters Front Steps	
12:15 PM–1:30 PM	Lunch	Esri Café	
1:30 PM–3:00 PM	<b>Discussion Groups D (Breakout Rooms):</b> How should IGC proceed? Globally? What are the principal elements of a work plan for IGC to continue? Who will take responsibility? Who will provide IGC with support?	Auditorium M1e Triplex #1 M1e Triplex #2	– Stephen Ervin (Reporter) – John Wilson – Jonee Brigham
3:00 PM–3:30 PM	Coffee Break	Atrium	
3:30 PM–4:30 PM	<b>Summary Discussion:</b> How shall we continue the IGC? Pool best ideas: What are the principal elements of a work plan for IGC to continue? Who will take responsibility? Who will provide IGC with support?	Auditorium	– Tom Fisher – Group C Discussion Leaders – Group D Discussion Leaders
5:00 PM–6:00 PM	<b>Open Presentation</b>	Auditorium	– Carl Steinitz: <i>Introduction, A Brief History of the IGC Idea and Its Common Aspects</i> – Brian Orland: <i>The Organization of IGC</i> – Team Representatives: <i>Four Example Projects</i> – Tom Fischer & Four Discussion Reporters: <i>What We Have Seen, Heard, and Learned</i> – Brian Orland: <i>IGC's future</i> – Carl Steinitz: <i>Conclusion</i>

## IGC Systems, Scenarios and Time Stage

### IGC Environmental Systems

WAT	Water Infrastructure	IND/COM	Industry and Commerce
AGR	Agriculture	INST	Institutional
GRN	Green Infrastructure	RES	Residential, mixed
ENE	Energy Infrastructure	FLEX 1	Flexible system e.g.
TRAN	Transport Infrastructure	FLEX 2	Tourism-Culture Desert, Mangro

### IGC Design Scenarios



### IGC Achievement of SDGs

Sustainable Development Goals	SDG	Early adopter																				
		WAT	AGR	GRN	ENE	TRAN	IND	INST	RES	FLEX	SUM	WAT	AGR	GRN	ENE	TRAN	IND	INST	RES	FLEX	SUM	
1: No Poverty	1	0	3	3	1	1	1	0	0	0	9	0	0	0	0	0	0	0	0	0	0	
2: Zero Hunger	2	0	3	1	1	3	1	0	1	1	12	0	0	0	0	0	0	0	0	0	0	
3: Good Health and Well-being	3	3	1	3	0	0	0	1	1	0	10	0	0	0	0	0	0	0	0	0	0	
4: Quality Education	4																					
5: Gender Equality	5																					
6: Clean Water and Sanitation	6	3	-1	3	3	0	1	-1	3	0	14	0	0	0	0	0	0	0	0	0	0	
7: Affordable and Clean Energy	7	0	0	1	3	1	0	0	3	0	11	0	0	0	0	0	0	0	0	0	0	
8: Decent Work and Economic Growth	8	-1	1	0	1	3	3	0	3	3	16	0	0	0	0	0	0	0	0	0	0	
9: Industry, Innovation and Infrastructure	9	1	1	0	3	3	3	1	3	0	15	0	0	0	0	0	0	0	0	0	0	
10: Reduced Inequality	10																					
11: Sustainable Cities and Communities	11	3	3	3	3	1	3	0	3	3	23	0	0	0	0	0	0	0	0	0	0	
12: Responsible Consumption and Production	12	0	1	1	1	0	0	0	3	0	9	0	0	0	0	0	0	0	0	0	0	
13: Climate Action	13	0	0	3	3	0	1	1	1	0	10	0	0	0	0	0	0	0	0	0	0	
14: Life Below Water	14	3	-1	1	0	0	0	-1	-1	0	-1	0	0	0	0	0	0	0	0	0	0	
15: Life on Land	15	1	1	3	1	-1	-1	3	-3	-1	0	0	0	0	0	0	0	0	0	0	0	
16: Peace and Justice Strong Institutions	16																					
17: Partnerships to achieve the Goal	17																					
Most benefit		3	1	0	-1	-3						3	1	0	-1	-3						
Most detriment																						

## SUSTAINABLE DEVELOPMENT GOALS

