



Title	Sustainability Certificate Programs at Center for Sustainability Science Hokkaido University : HUIGS & StraSS
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**Sustainability Certificate Programs
at Center for Sustainability Science
Hokkaido University
(HUIGS & StraSS)**

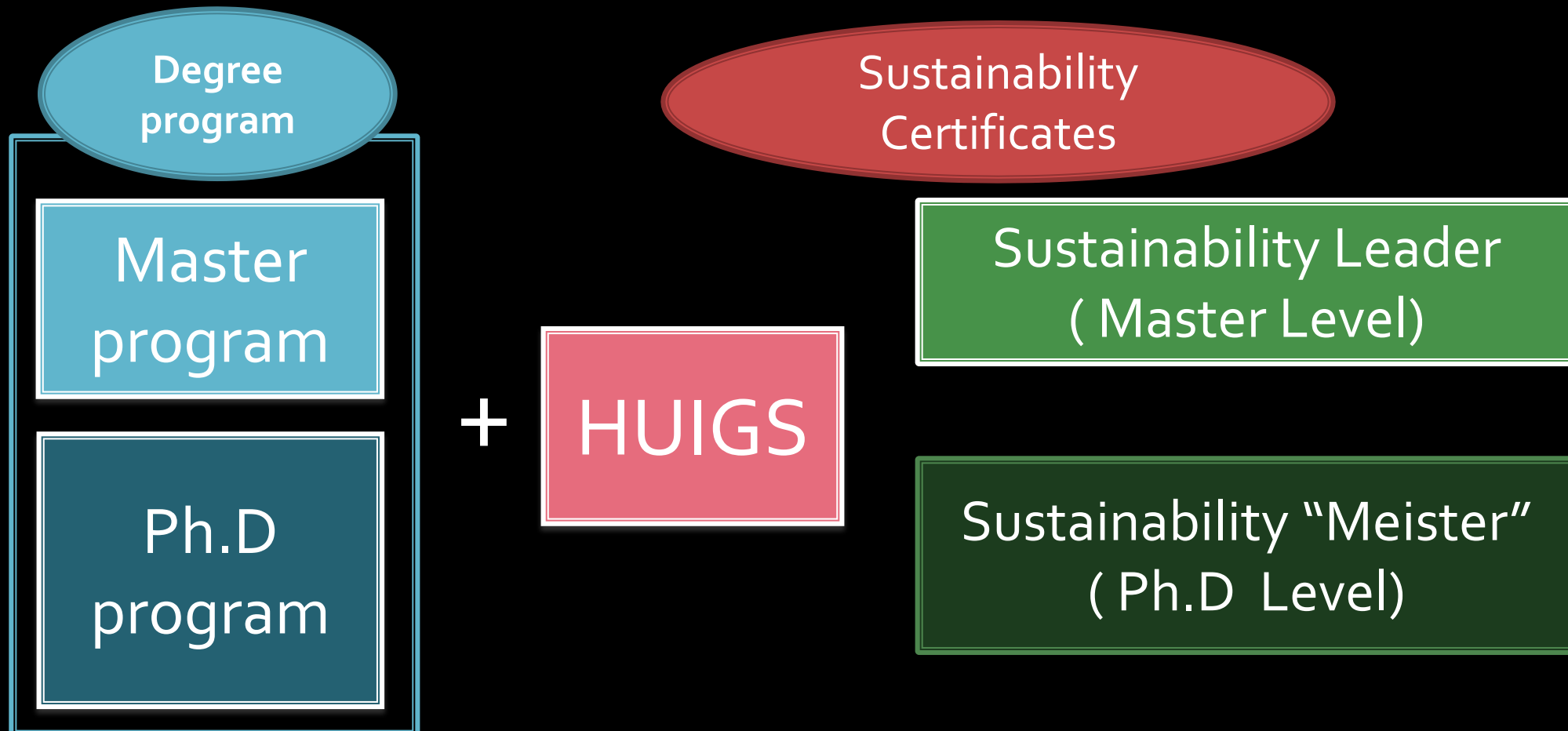
Three sustainability certificates for graduate students

Hokkaido University Inter-departmental
Graduate Study in Sustainability (**HUIGS**)

Special coordinated training program for
Sustainability Leaders and *Sustainability*
‘Meisters’ program (**StraSS**)

HUIGS and *StraSS* Program

- Degree education (Master & Ph.D) at graduate schools



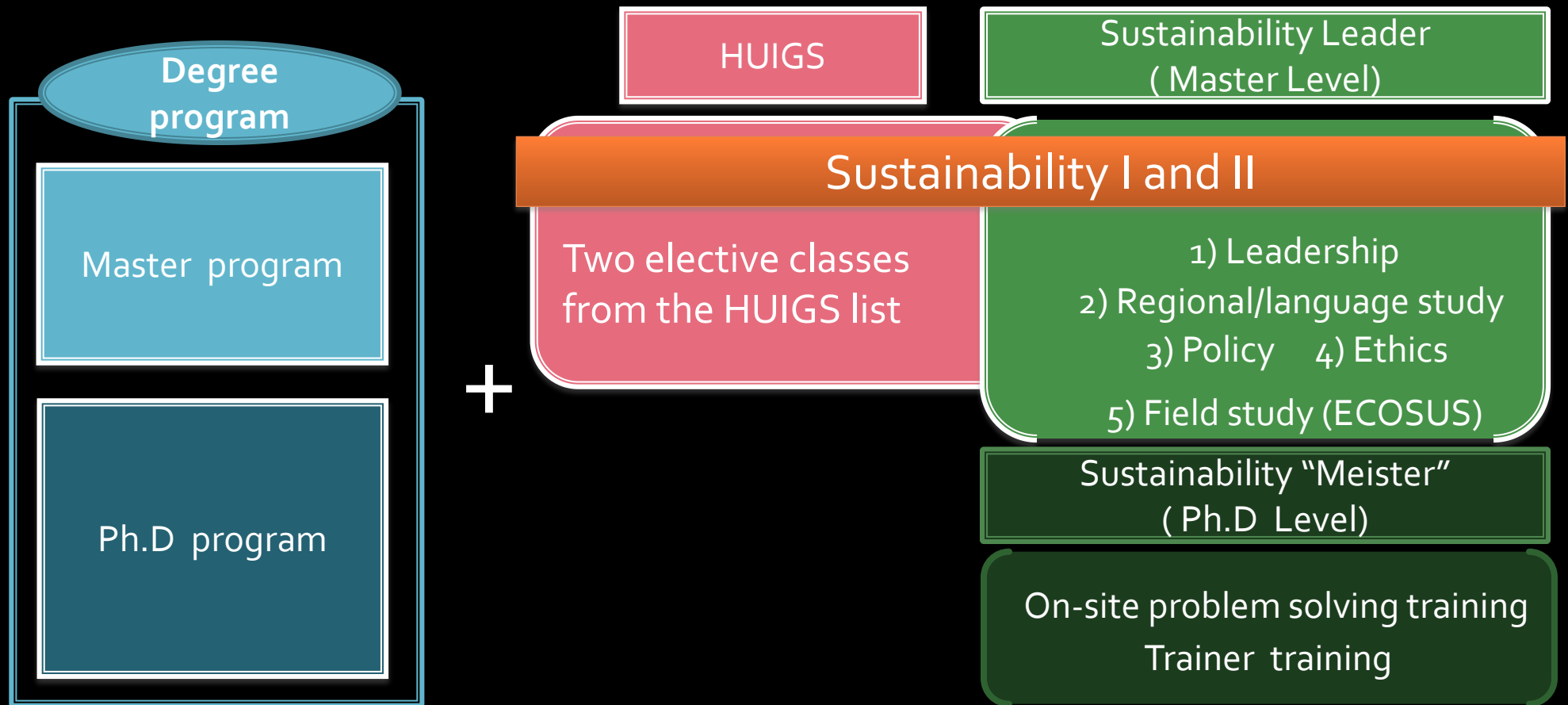
*Hokkaido University Inter-departmental Graduate Study in
Sustainability (HUIGS)
Sustainability Leader(StraSS)Program*

Why students should take?

- Multidisciplinary perspectives
- Global experiences
- Communication skills
- Add value for the job market

HUIGS and *StraSS* Program

- Degree education (master & Ph.D) at graduate schools



Registered students and issued certificates at Hokkaido University

Registered Students

	HUIGS	StraSS Leader	StraSS Meister
2007	71	–	–
2008	48	–	–
2009	43	–	–
2010	59	20	5
2011	26	13	2
2012	65	27	6
2013	64	20	1
Total	376	80	14

Issued Certificate

	HUIGS	StraSS Leader	StraSS Meister
2007	8	–	–
2008	22	–	–
2009	17	–	–
2010	24	–	–
2011	26	2	–
2012	16	9	–
2013	2	10	1
Total	115	21	1

Curriculum

liberal arts education for graduate students with a context of Sustainability Science

(1) Sustainability I & II

Global class room - shared courses within StraSS Alliance universities

(2) Leadership

Vision formulation, transformational leadership

(3) Asia/Africa Culture, Language and Regionalism (CLR)

Student Led Learning to gain experiences in own culture

(4) ECOSUS

- Field experiences with variety of regions
- Networking within international environments

(5) Policy

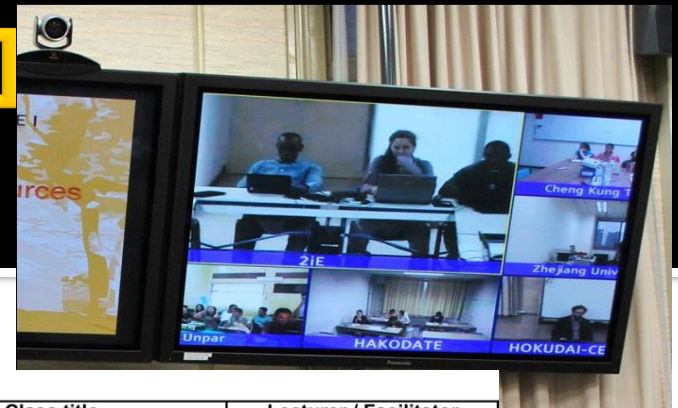
Practical policy formulation
Roles of government in the free market
Policy lab

(6) Ethics

Normative discussions and logical thinking

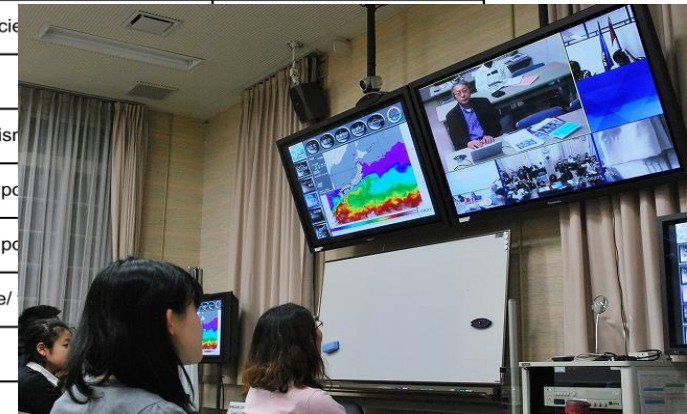
Sustainability I and II

*Global classroom



2012 Sustainability Science I and II Class Schedule (Monday and Thursday, 18:30-20:00 Japan Standard Time)

Date			Universities*	Class title	Lecturer / Facilitator	Date			Universities*	Class title	Lecturer / Facilitator
* H: Hokkaido, U: Unpar, 2: 2iE, N: NCKU, Z: ZJU						Apr	5	I, II	H/U/2/N/Z	Orientation	Prof. Tanaka (HU)
Apr	9	I	H/U/N/Z	The commons without tragedy	Dr. Ishimura (HU)	Apr	12	II	H/U/2/N/Z	Rethinking of resources	Prof. Tanaka (HU)
Apr	16	I	H/U/2/N/Z	Sustainable inland tropical fisheries	Prof. Sulmin (Unpar)	Apr	19	II	H/U/2/N/Z	Systems Thinking for Sustainability	Prof. Fukushima (NCKU)
Apr	23	I	H/U/2/N/Z	Introduction to renewable energy	Dr. Chittenden (HU)	Apr	26	II	H/U/2/N/Z	class discussion	
Apr	30	No class				May	3	No class			
May	7	I	H/U/2/N/Z	Ethics for sustainable society	Dr. Majima (HU)	May	10	II	H/U/2/N/Z	Renewable energy after 311	Prof. Yoshida (HU)
May	14	I	H/U/2/N/Z	Sustainable Materials for Construction Projects	Prof. Yang (NCKU)	May	17	II	H/N/Z	Ocean Acidification	Prof. Chiou (NCKU)
May	21	I	H/U/2/N/Z	Solar energy	Prof. Azoumah (2iE)	May	24	II	H/U/2/N/Z	class discussion	
May	28	I	H/U/2/N/Z	Wastes managmenet & agriculture	Prof. Funamizu (HU)	May	31	II	H/U/2/N/Z	Dayak Ecological thinking	Prof. Widen (Unpar)
Jun	4	I	H/U/2/N/Z	Ecological agriculture	Prof. Ye (ZJU)	Jun	7	No class			
Jun	11	I	H/2/N/Z	Micro biology	Dr. Maiga (2iE)	Jun	14	II	H/2/N	Low carbon socie	
Jun	18	I	H/2	Sustainable agriculture	Prof. Shinano (NARCH, Japan)	Jun	21	II	H/2	CSR	
Jun	25	I	H	Marine resources	Prof. Bower (HU)	Jun	28	II	H	Market, capitalisr	
Jul	2	I	H	Land Change Sciecen	Dr. Ademola	Jul	5	II	H	Environmental po	
Jul	9	I	H	GPS use for agriculture	Dr. Liu (ZJU)	Jul	12	II	H	Environmental po	
Jul	16	No class				Jul	19	II	H	Climate change/	
Jul	23	I	H	class discussion		Jul	26	II	H	Examination	
Jul	30	I	H	Examination							



ECOSUS Education Course of Sustainability

- 2009 ECOSUS Hokkaido
- 2010 ECOSUS Hokkaido
- 2011 ECOSUS Hokkaido、ECOSUS Kalimantan
- 2012 ECOSUS Hokkaido Summer, ECOSUS Hokkaido Aqua, ECOSUS Tainan
- 2013 ECOSUS Hokkaido Summer, ECOSUS Hokkaido Aqua, ECOSUS Tainan、ECOSUS China

2013 ECOSUS Hokkaido Aqua 2013 11/14~24



Through lectures, field visits, and on-board training and group works, this program will facilitate the learning of the practical aspects of **sustainable use of marine resources for local communities.**



<https://www.facebook.com/groups/ecosusaqua2012/>

StraSS Alliance Universities Toward “common” Sustainability Certificates

University of Palangka Raya
Indonesia

International Water Resource Institute
Burkina Faso



**Hokkaido
University**



2iE

University of Gadjah Mada
Indonesia

UNPAR

UGM

*StraSS Alliance
Sustainability Program*

NCKU

National Cheng Kung University
Taiwan

ZJU

Zhejiang University
China



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Sustainability Science
Sustainability Education