

Aqua-Internship: an effort to enhance aquaculture and fisheries education



Ram C. Bhujel, PhD
Coordinator

Aqua-Internship: EU-Asia Link Program
AARM, Asian Institute of Technology (AIT)
Program webpage: www.aarm-asialink.info

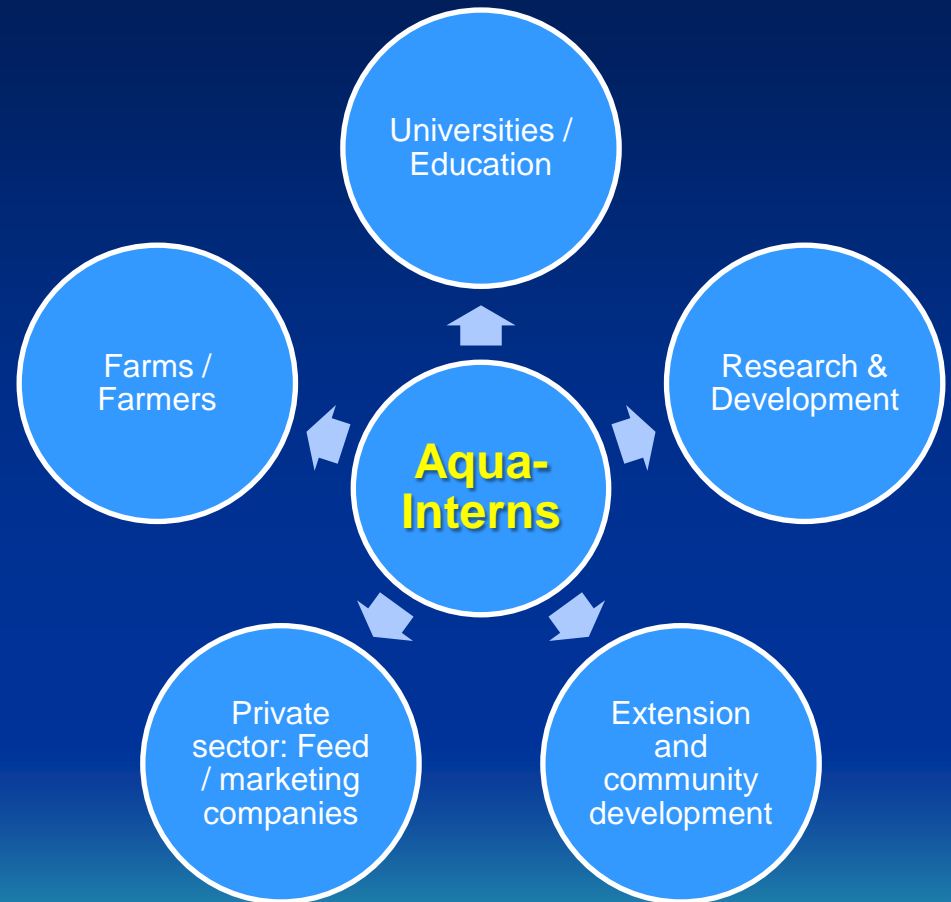
Director
World Aquaculture Society (WAS), Asian Pacific Chapter

Nature of internship work:

- Day to day work e.g. feeding, harvesting
- On-station research
- On-farm research
- Survey research
- Thesis research

Outcomes:

- Report (10-15 pages)
- Presentation at the end
- Publications



Intern's Activities:





**Sonia and Susanna:
Uni. of Aveiro, Portugal**



Ms. Naomi, Winnipeg, Canada



**Mr. Mikael Chevalley from
Montpellier, France**

Interns at AIT, Thailand:



Aqua-internship - Results as of June 2011

Category of interns	Target	During project period			Actual	After project period	
		Year	Year	Year		2011	
I. Project supported		2008	2009	2010			
European partners							
Univ. of Stirling	5	1	1	1	3		
Univ. of Aveiro	3		2	1	3		
Asian partners							
IAAS-Nepal	9	5	4	3	12	3	
RIA-1-Vietnam	9	5	5	6	16	23	
UAF-Vietnam	9	4	4	3	11	5	
BAU-Bangladesh	9		11	11	22	19	
PhD Instructors	4		4		4		
Sub-total	48	15	31	25	71	50	
II. Self-supported							
Europe and USA		1	3	11	15	?	
Total	48	16	34	36	86	50	136

www.aarm-asialink.info

Internship Projects / hosts:

- <http://www.aarm-asialink.info/Placements.html>

B) Nepal

NP1 - Women's Fish Farming Cooperative, Kathar, Chitwan

NP2 - Machhapuchhre Fishing Community, Pokhara

NP3 - Rainastar Women's Fish Farming Group, Lamjung

NP4 - IAAS Farm and Lab, Chitwan

NP5 - Bhandara Fish Farm, Chitwan

NP6 - Kawasoti Women's Cooperative, Nawal Parasi

NP7 - Begnas Fisheries Station, Pokhara

C) Bangladesh

BD1 - Reliance Aqua Farms and Hatchery Limited

BD2 - Ma Farm - A Private fish farm

BD3 - Agro-3 hatchery and fish farms

BD4 - Royal Fish Farm Ltd.

BD5 - Brahmaputra Hatchery Ltd.

BD6 - Shushamo Feed Limited.,

BD7 - Cage culture in Chandpur

BD8 - More to add...

Internship Projects / hosts:

- <http://www.aarm-asialink.info/Placements.html>

C) Vietnam - North

- [NV1](#) - Environmental monitoring
- [NV2](#) - Freshwater Biodiversity / breeding center
- [NV3](#) - Marine Biodiversity
- [NV4](#) - Cold water biodiversity / fish breeding
- [NV5](#) - RIA1-Research Station and post-graduate institution
- [NV6](#) - Marine fish farming, Cat Ba, Halong Bay
- [NV7](#) - Fish feed mill

D) Vietnam - South

- [SV1](#) - Mangrove Conservation, Southern Vietnam
- [SV2](#) - Shrimp Farm, Southern Vietnam
- [SV3](#) - NOVUS Aqua Research Lab., HCM City
- [SV4](#) - Research Center, Nha Trang University, Nha Trang
- [SV5](#) - Research Institute for Aquaculture No. 1 (RIA-1), Hanoi
- [SV6](#) - Phu Huu Tilapia Hatchery
- SV7 - Minh Anh Tilapia Farm
- SV9 - Can Tho University and surroundings

Internship Projects / hosts:

<http://www.aarm-asialink.info/index2.html>

A) Thailand

TH1 - Nam Sai Farms, Ban Sang, Prachinburi

TH2 - AIT Hatchery, Bangkok ([see who have done this](#))

TH3 - Uthai Phan Pla, Ayuthaya

TH4 - Catfish hatchery, Pathumthani

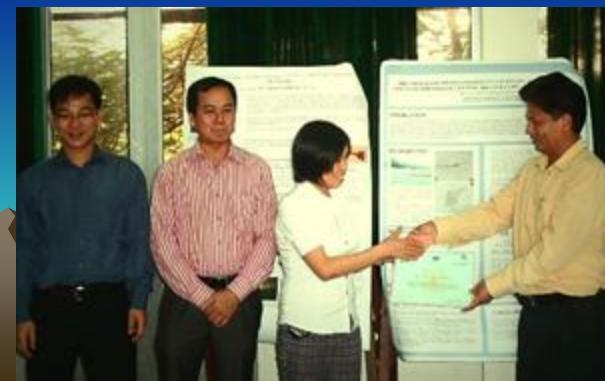
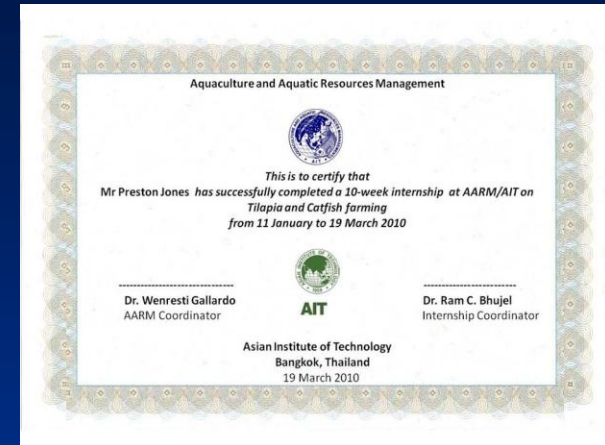
TH5 - Manit Farm, Phetchburi

More coming soon

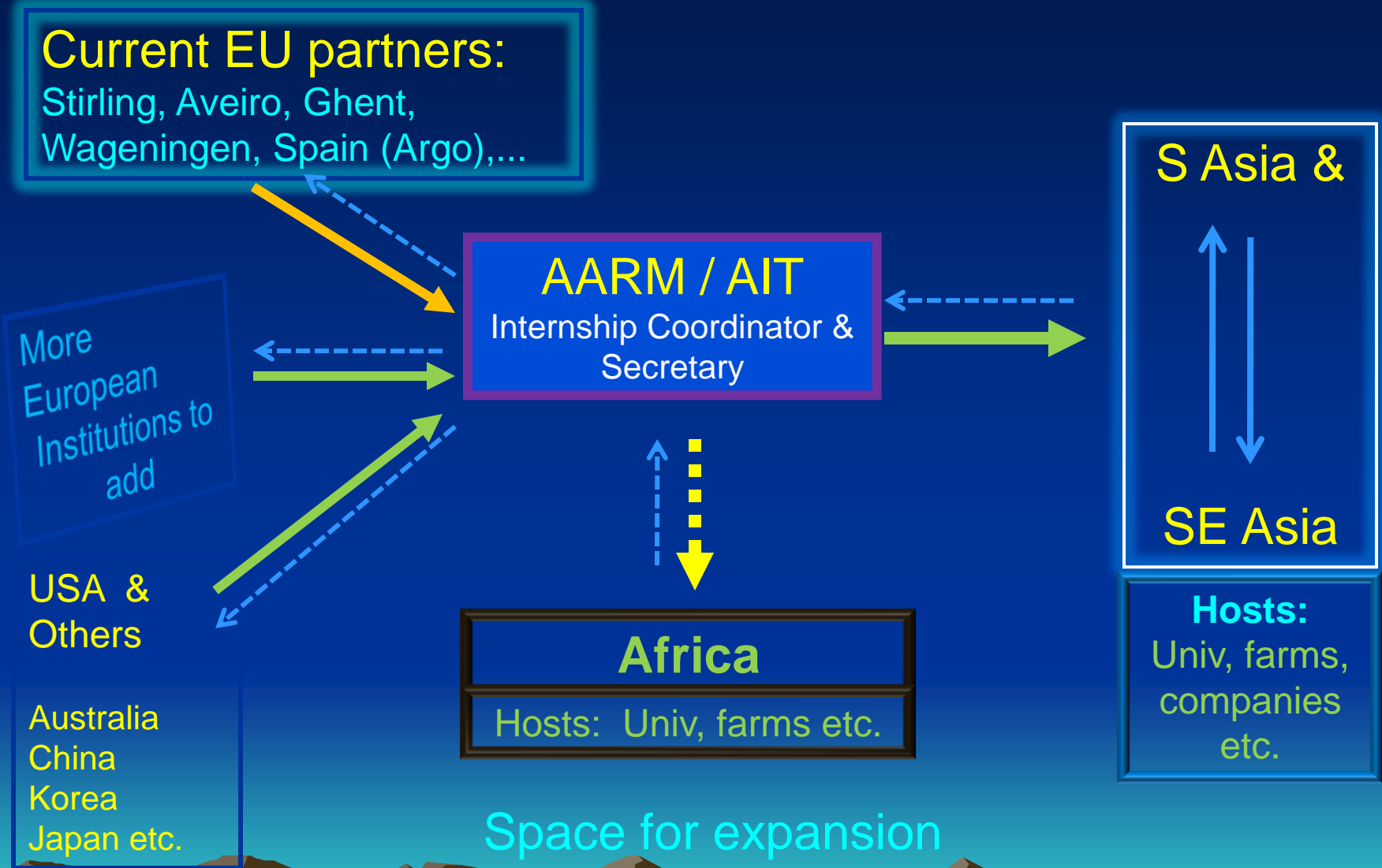
- WorldFish Center – Malaysia
- Sea bass farm in Singapore
- NACA, Bangkok
- FAO – Bangkok
- Thai Universities, colleges etc.
- CP and other companies (via career center) – **marketing**
- Other farms: e.g. shrimp farms/hatchery, sea bass, Abalone, ,
- Feed companies etc.

Interns

1. Real field experience
2. Become friends with farmers / entrepreneurs
3. Broaden their horizon
4. Specific skills of interest
5. Presentation skill
6. Supports from various sources
7. Attractive certificate / CV / Reference
8. Increased confidence
9. Increased employability / promotion / performance
10. Low cost : approx. Euro100/m for accommodation and Eur1/meal
Enrollment fee ??



Aqua-Internship program



MAJOR HIGHLIGHTS:

1. Linkages between Europe and Asia / Africa
2. Institutionalized – 2 credit course
3. All parties benefits - institutions, students, lecturers, host organizations
4. Hands-on experience/employability of graduates means good education
5. Other collaborations:
 - Joint degrees?
 - Double degrees?
 - Two-stage (2 Years M Sc at AIT + 3 Years PhD in Europe)
 - Research – FP7



<http://www.aarm-asialink.info/internship.html>

<http://www.facebook.com/#!/groups/136401489767925/>

Email:

Bhujel@ait.ac.th

Coordinator@aarm-asialink.info

Thank you