



ESD-Net Training Workshop

Education for Sustainable Development Initiatives at The School of Educational Studies

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Elements of ESD in Taught Courses at School of Educational Studies (SEMESTER 1)

	Undergraduate Courses (16 of 51 courses)	Graduate Courses (5 of 30 courses)
Social Perspective Human Rights Peace and human Security Gender equity Health Good Governance	16	3
Cultural Perspective Cultural & Linguistic Diversity Intercultural and Interfaith understanding Intangible heritage Cultural goods & services	10	5
Environmental Perspective Natural Heritage and Resources Climate change Rural development Sustainable urbanization Disaster prevention and mitigation	8	3
Economic Perspective Poverty reduction Corporate responsibility and accountability Market economy	3	3



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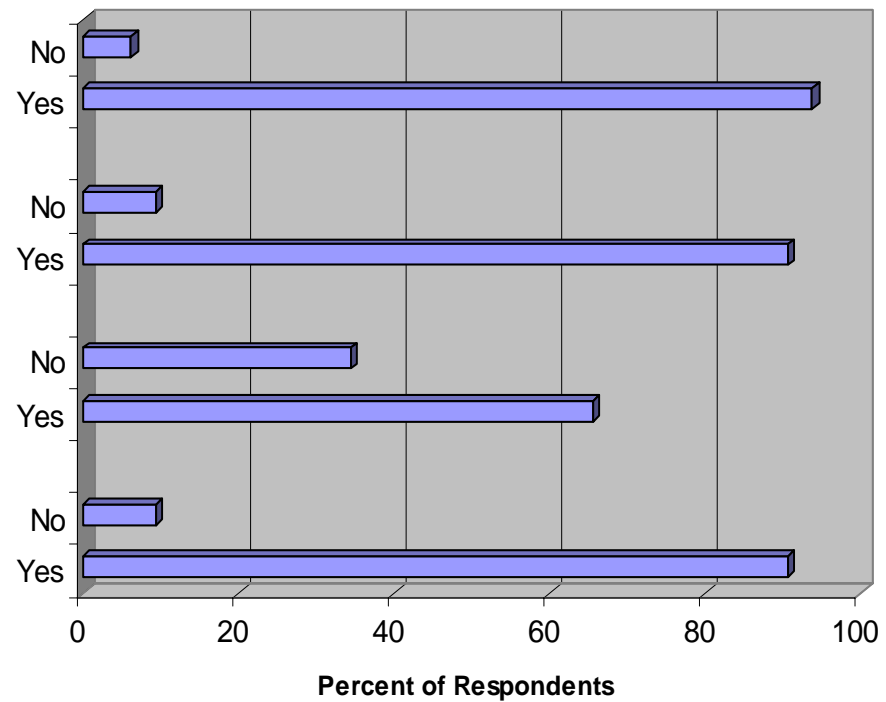
Do you think that education can help bring about Sustainable Development?

Do you think that an Interdisciplinary approach will add value to your courses?

Do you think your colleagues will agree?

Are you ready to make changes?

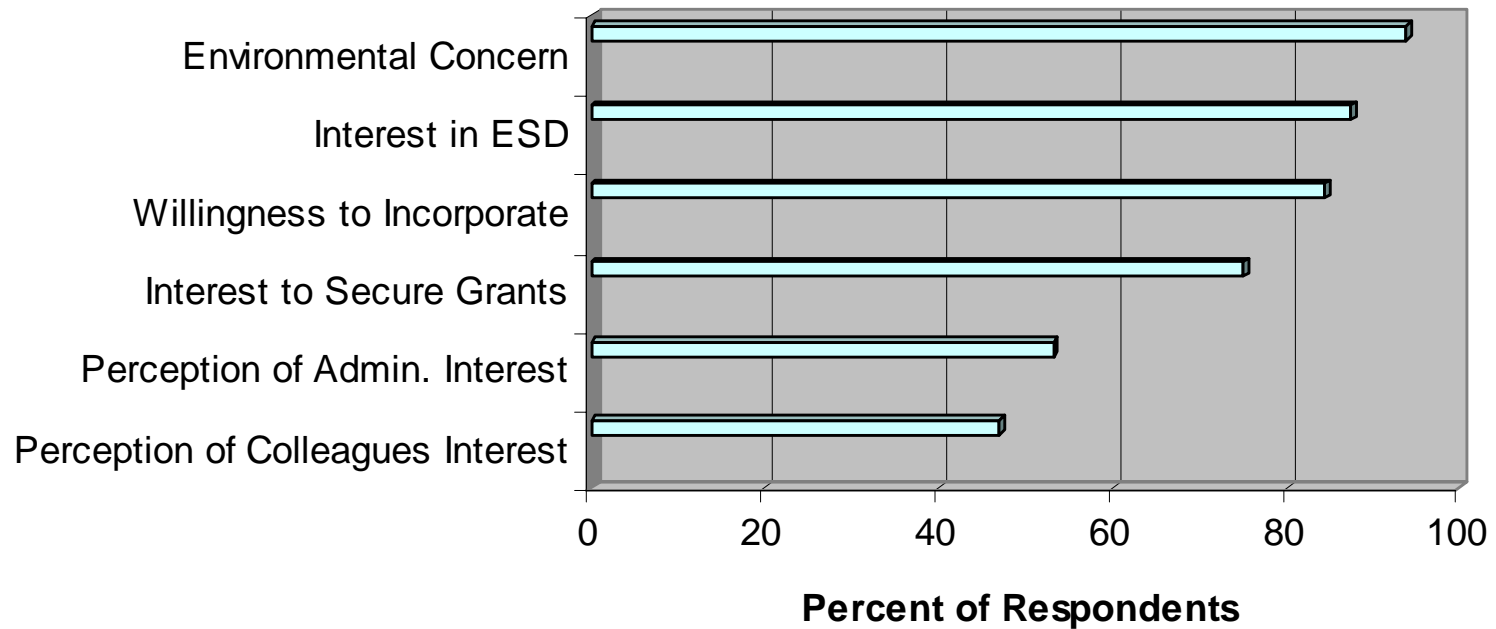
Figure 7: "The Interdisciplinary Approach to Taught Courses"
(N=32)





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Fig. 6: High Levels of Interest (N=32)





Research by Academics:

1. Exploring Environmental Behaviors, Attitudes And Knowledge Among USM Students
2. Teacher Preparedness In Teaching For Sustainability
3. Relationships Between Understanding Of Science Concepts, Islamic Beliefs And Epistemological Beliefs And Its Role In Influencing Sustained Engagement In Environmental Issues
4. Curriculum Greening Initiatives: Faculty Perspectives In Teacher Education Program At Universiti Sains Malaysia
5. The Assessment Of The Current Level Of Education For Sustainable Development In Teacher Education And Other Tertiary Sectors At USM And The Development Of A 'Learning For A Sustainability Strategy'
6. Greening The Secondary School KBSM Chemistry Labs
7. A Situational Analysis Of Malaysian Primary Education Towards Sustainable Development
8. Evaluation Of The Sustainable Schools-environmental Award: Curriculum Component
9. Childrens' Own Stories About A Sustainable Future: Categorizing Young People's Conceptions Of The Environment
10. The Awareness of Renewable Energy & Energy Efficiency Amongst Primary Schoolchildren and Teachers in Malaysia
11. Impact study of Renewable Energy & Energy Efficiency Amongst Secondary School Projects in Malaysia



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Post-graduate Research:

Exploratory Study About the Relationships Between Religious faith, Life Values and Knowledge of Muslim Students with their Attitude and Behavior Towards the Environment.

Concepts, Knowledge and Attitudes Towards Environmental issues Amongst Primary School Teachers in the State of Perak

The Effects of using Concept Maps With a Learning Courseware for Form 1 Students In Enhancing Environmental Knowledge and Awareness

The Effects of Using the Experiential Simulation 'Recycle City' in the Form 4 English Language Towards Environmental Knowledge and Awareness

The Malaysian Primary Education Towards Sustainable Development – A Gaps Analysis

Impact of Green Chemistry Experiments On Environmental Values and Knowledge of Pre Service Teachers.

Microscale Experimentation in Green Chemistry

The Factors that Influence Primary School Teachers' Commitments Towards the Integration of Environmental Education in Their Teaching.



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- **What steps can be taken to reorient these areas toward ESD? (Eg., what resources are required, what institutional changes need to be made, etc.)**

Support Links with:

1. UNESCO Bangkok – SES, part of Asia Pacific Regional Network of Teacher Education Institutions on ESD

2. Member Institution of “The Comenius network SUPPORT”
Contribution to DESD and UNECE European strategy for ESD.

“Partnership and Participation for a Sustainable Tomorrow”

The network aims to endorse schools as science and learning centres in their local communities and therefore support effective cooperation among schools. Between schools and research institutions, and between schools and their communities.

There has to be commitment and firm belief at the leadership/management level.

Greater collaboration between institutions for research work/discourse on ESD may highlight the significance of ESD work thus stirring interests and helping it gain prominence and importance.



Thank You UTOPIA



Sharifah Norhaidah Syed Idros

Rohizani Yaakub



Complete Situational
& Needs Analysis

*Shared Vision for EfSD
in Teacher Education*

- National level Network for Research with other IPTAs, Colleges and Divisions of MoE
- Link to AsiaPacific Network

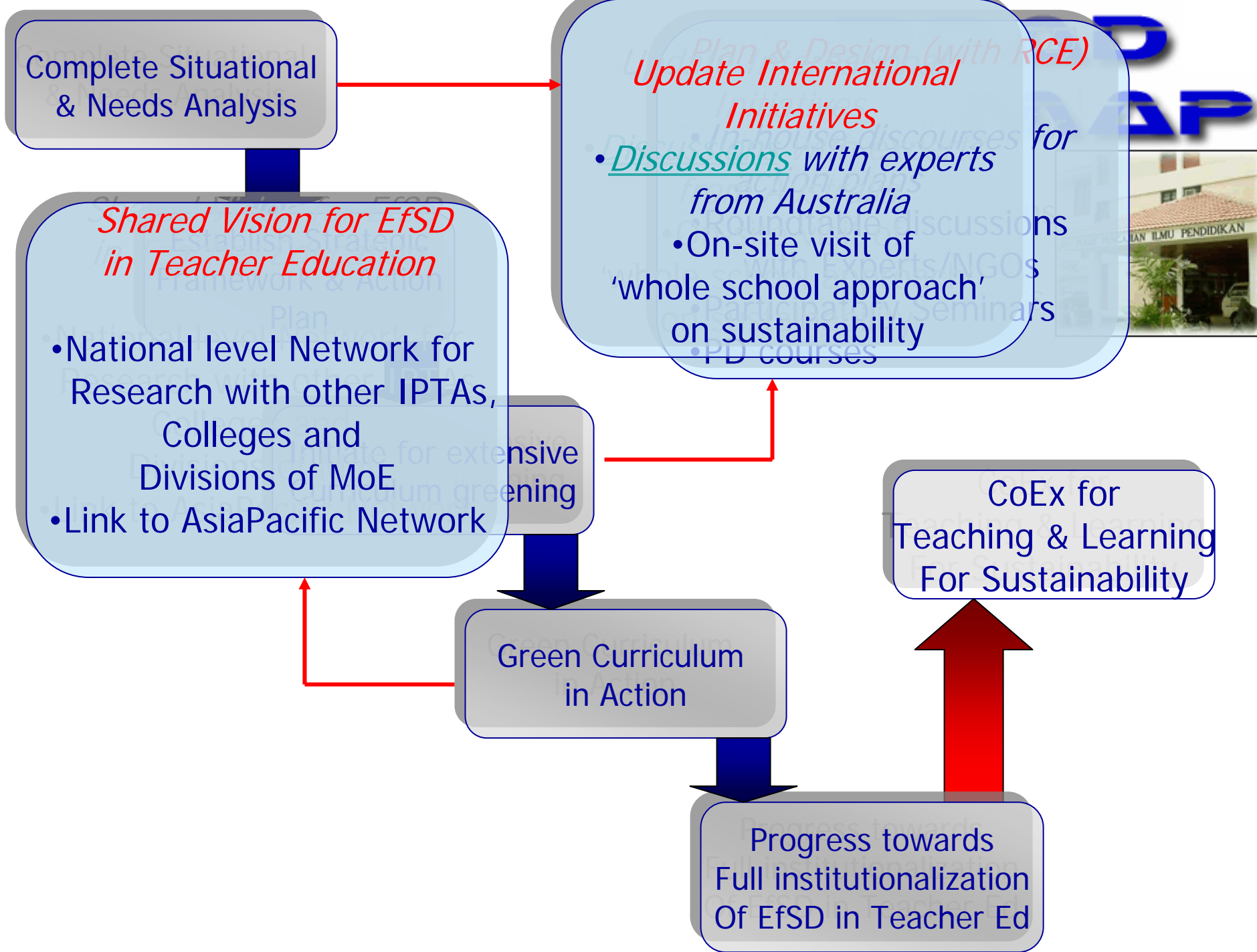
*Update International
Initiatives*

- Discussions with experts from Australia
- On-site visit of 'whole school approach' on sustainability
- PD courses

Green Curriculum
in Action

Progress towards
Full institutionalization
Of EfSD in Teacher Ed

CoEx for
Teaching & Learning
For Sustainability



TORQUAY PRIMARY SCHOOL



WHOLE SCHOOL APPROACH FOR SUSTAINABILITY



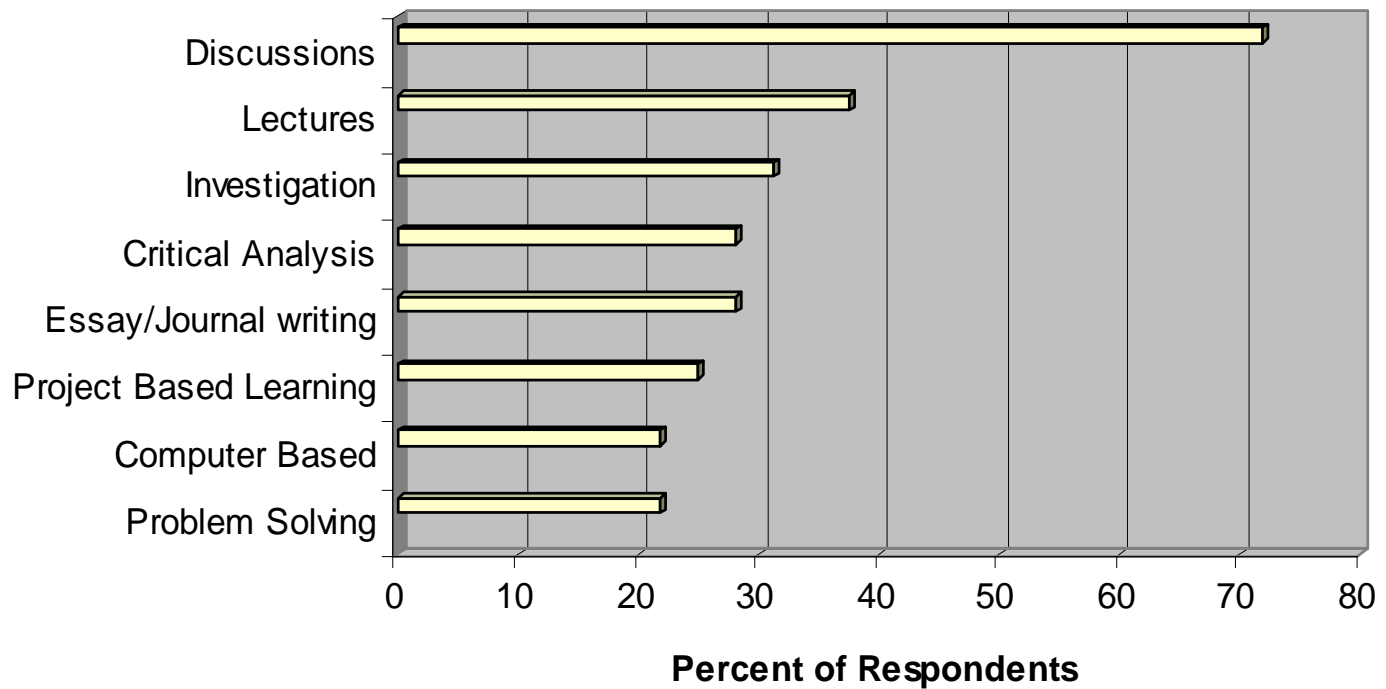
Resigned By the Sea.....





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Fig. 3: Teaching Methods Used (N=32)





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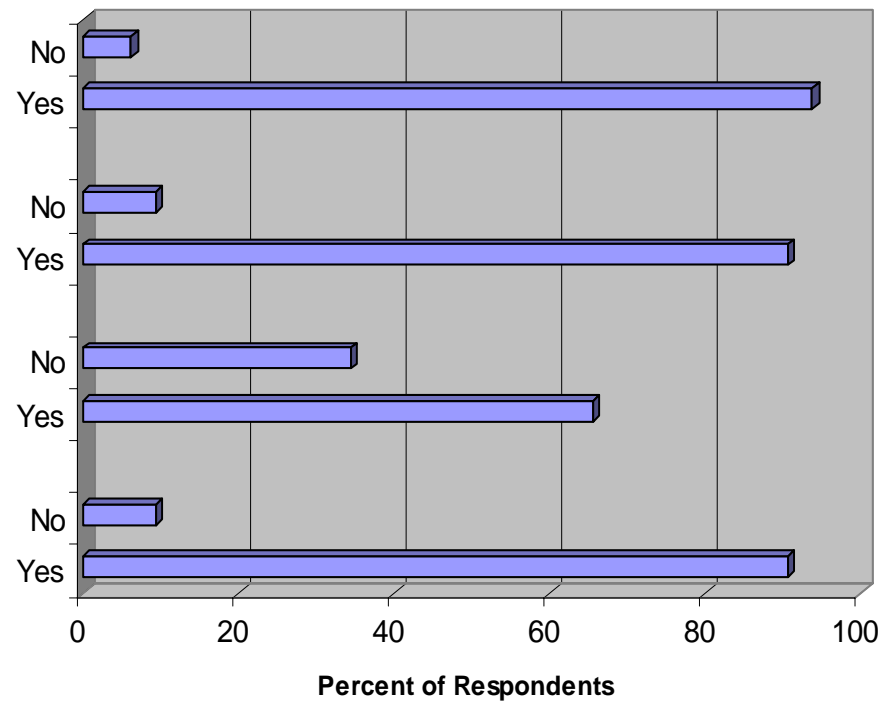
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Fig. 4: EE/ESD Methodologies Used (N=32)

