



# A blended approach to embedding employability skills and global societal responsibility:

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an NTFS study through a Masters Unit in  
managing humanitarian aid projects

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# Manchester background

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- RAEng-sponsored project on embedding sustainable development in the undergraduate curriculum.
  - PBL based.
  - Widely reported.
  - Ideas to expand to a wider audience.

# NTFS project

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- Embedding sustainability in the curriculum through blended learning:
  - Universities of Keele, Manchester and Staffordshire;
  - Different approaches at different sites;
  - Manchester project largely on MSc module on managing humanitarian aid projects.



# Project Managing Humanitarian Aid

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- PBL (Social Constructivist) Approach
- No formal lectures
- Small, interdisciplinary groups (~8 students)
- Tackling “wicked problems” (scenarios)
- Facilitated discussions
- Group, individual and peer-assessed reports

# Project Managing Humanitarian Aid

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- Moving to a blended approach:
  - Why?
    - Part of Keele-led project;
    - Issues of scalability and logistics;
    - Feasible for Distance Learning?
  - How?
    - Tackle one scenario entirely online;
    - Add additional functionality to existing online support.
      - BlackBoard 9
      - Use of Wikis
      - Reflective journal
      - Online assessment
      - Screencasts

# Online scenario

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- Agro-forestry in Mali
- Evaluate BLF funding project proposal



- No face-to-face collaboration

# Project evaluation – data collection

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- Submitted Reports
  - All groups and individuals successfully submitted
- Nominal Group Process
  - Groups generate positive/negative comments and vote
- Online Survey – 15 questions, 5 point Likert-type scale
  - 62.5% response rate (15/24)

# Nominal Group results - positive

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- + Interactivity;
- + Learning by doing;
- + Skills development;
- + Real-life problems;
- + Working with others (across cultures).



# Nominal Group results - negative

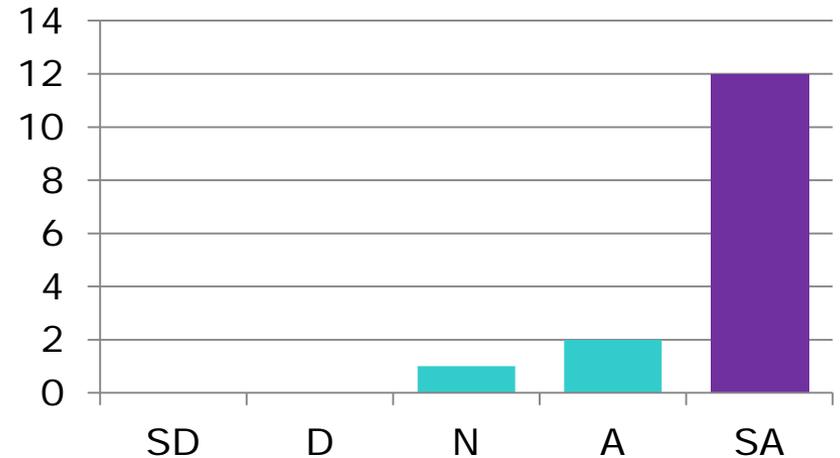
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- BlackBoard dysfunctionality;
- Unclear requirements;
- Wiki not user friendly;
- Group dynamics;
- Difficulty of managing diversity of opinion;
- Time!

# Examples of questionnaire feedback

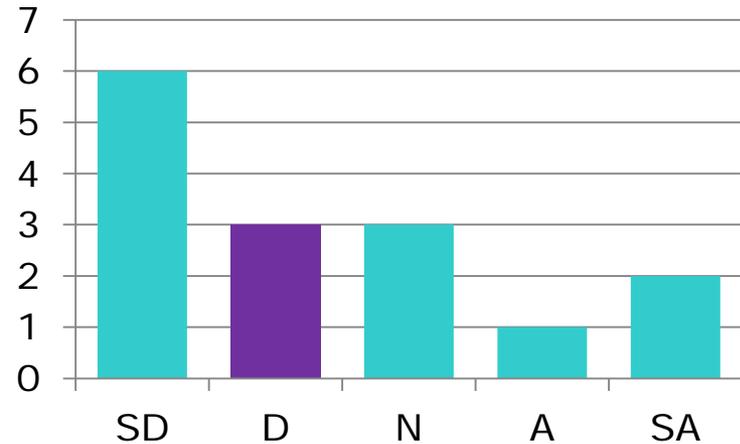
- Q7. My group used additional online tools (e.g. Facebook) to collaborate online. (14/15 agree)

- Facebook: 11
- Skype: 12
- Email: 12
- Mobile Phone: 5
- Google Docs: 1

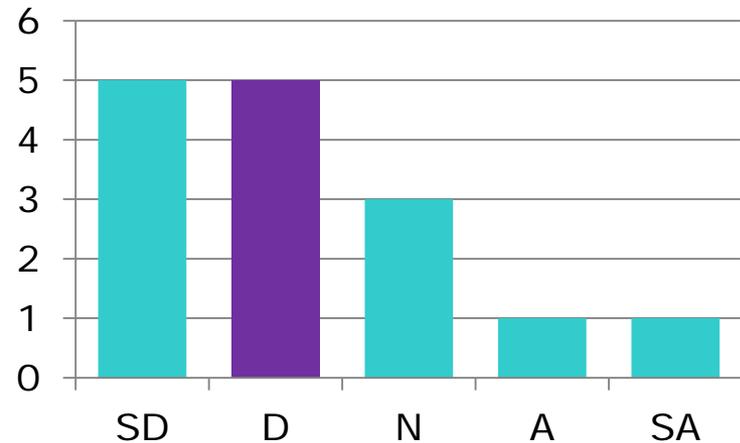


# Examples of questionnaire feedback

- Q9. I prefer meeting online to meeting face-to-face. (3/15 agree)



- Q10. I contributed more to the online discussions than I would in a face-to-face meeting. (2/15 agree)



# Student comments

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- “This module is more practical and so more useful than other modules. My view is that sitting in lectures is meaningless, because you forget the information but only a few points stick in your mind. You remember more from this module. In this course when you solve a problem you never forget how you solved the problem”.
- “I am more confident (than before taking the module) to work in a team, to co-operate, to try making compromises and negotiations in order to prevent conflicts. Overall, the scheme on working as a team in various projects is very helpful for my future career in the companies I pursue to work, so I am really happy and satisfied with this module which is totally different learning procedure than others.”

# Employability [NTFS questionnaire]

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## 5. *Employability Skills:*

**Q:** Do you feel that you have gained any skills as a result of this module that will improve your chances of getting a job or enhance your performance at work, now or in the future?

**A:** Keele: Yes 24 (69%); No 4 (11%); not sure 7 (20%)

**Manchester: Yes 28 (93%); No 1 (2%); not sure 2 (5%)**

Staffordshire: Yes 13 (81%); No 0 (0%); not sure 3 (19%)

**Q:** Has this module made you think about your future career plans in any ways?

**A:** Keele: Yes 18 (51%); No 9 (26%); not sure 8 (23%)

**Manchester: Yes 20 (67%); No 3 (10%); not sure 7 (23%)**

Staffordshire: Yes 6 (38%); No 4 (24%); not sure 6 (38%)

# Conclusions

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- Online aspects: limited success
  - All groups collaborated and submitted.
  - Effective group communication part of the challenge.
  - Students probably would not agree...!
  - Lessons learned
    - Synchronous communication tool needed
    - Greater familiarity required
- PBL aspects: very supportive of employability
  - Skills development
  - Synthesize real life.
- Students find it hard work, but enjoy it!



# Thank you

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<http://www.youtube.com/watch?v=rWfyLvUojns>