

ASSOCIATION ACTUARIELLE INTERNATIONALE INTERNATIONAL ACTUARIAL ASSOCIATION 13th Global Conference of Actuaries 2011 Emerging Risks... Daring Solutions



SECTION SANTÉ DE L'AAI IAA HEALTH SECTION

Professionalism and actuarial education

Educating Actuaries

David Wilmot Director of Education – BPP Professional Education United Kingdom

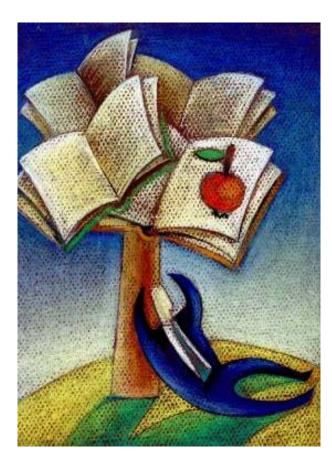
Presentation outline

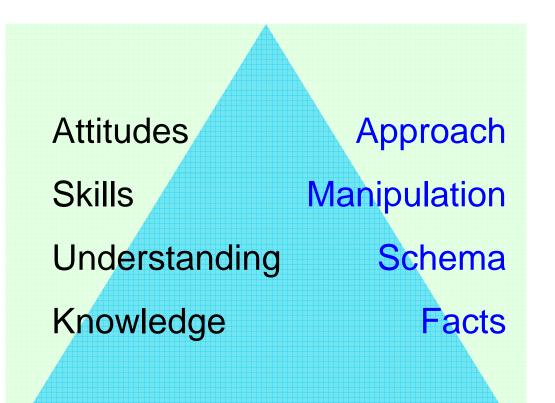
Following the structure of the accompanying paper:

- What is education?
- What are our objectives?
- How do we support and assess effective learning?
- How should we monitor education effectiveness?
- Conclusions



What is education?



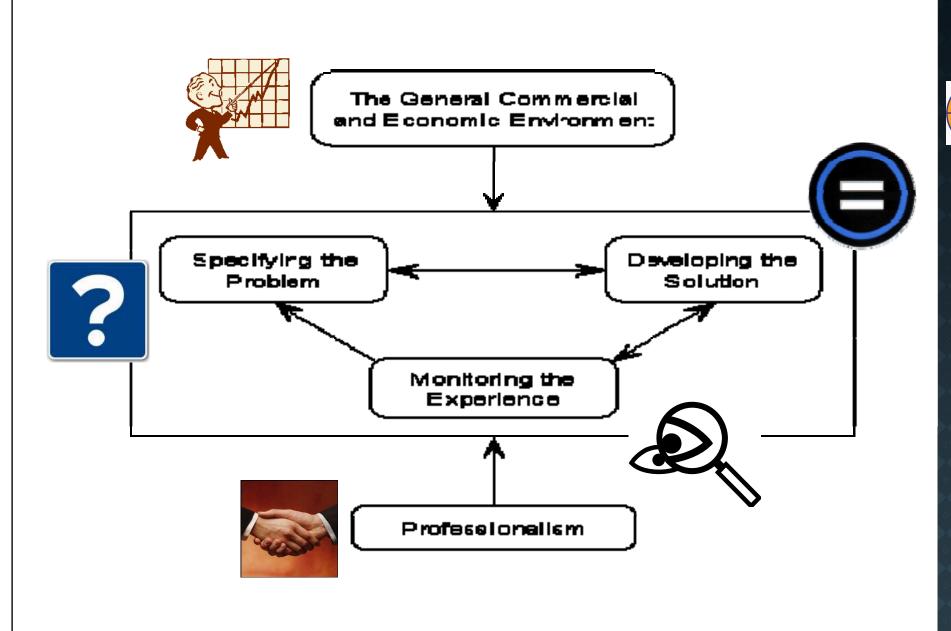


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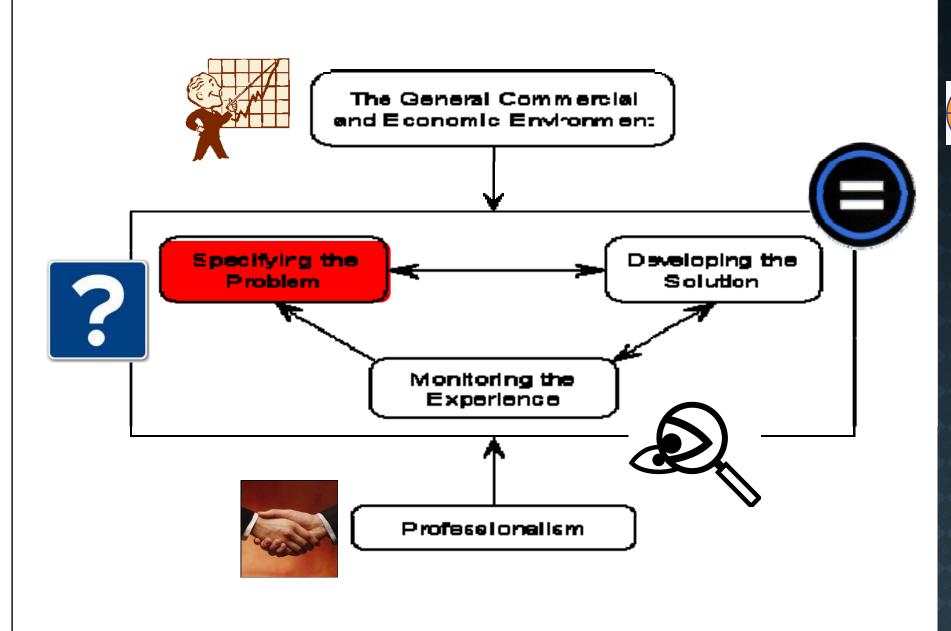
The actuarial control cycle



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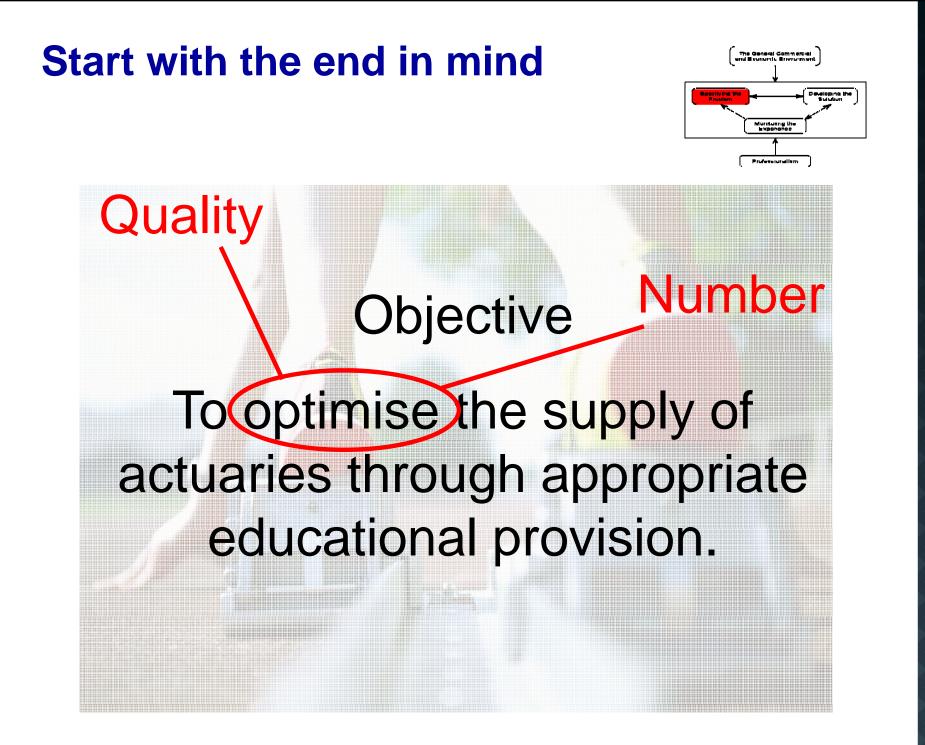
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The actuarial control cycle

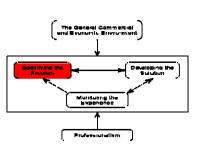


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Who is the customer?



Current customers say that actuaries need...

- better business understanding and judgement
- stronger communication skills
- improved ability to work in multidisciplinary teams

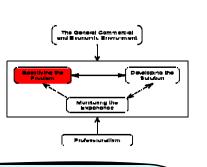
UK Profession's strategic review 2005

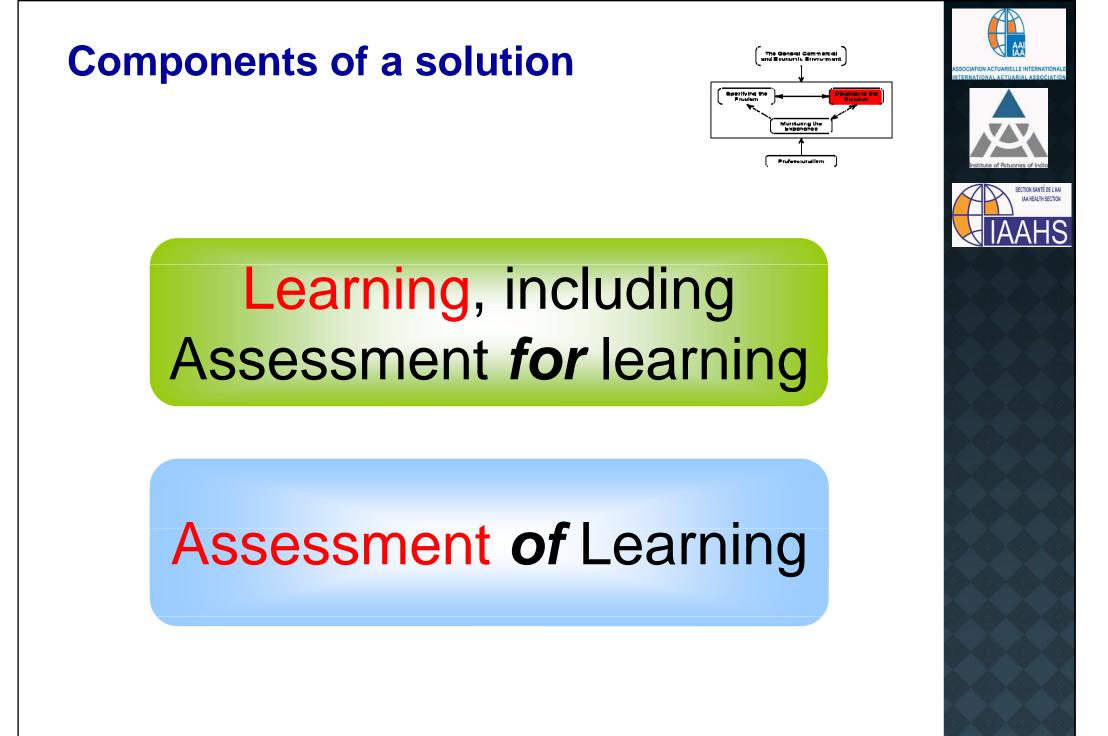
What learning is appropriate?

- External forces & industry knowledge
- Communication
- Interpersonal collaboration
- Analytical problemsolving skills
 Strategic insight & integration

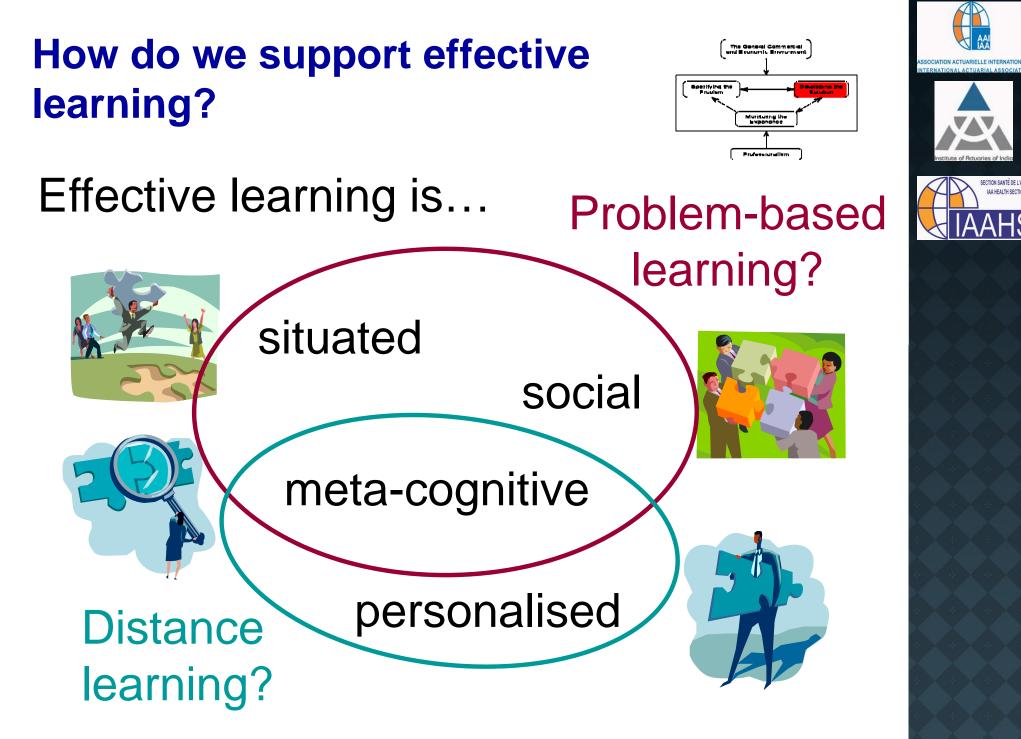
"demonstrating the listening, writing & speaking skills required to effectively address diverse technical and nontechnical audiences in both formal & informal settings"

Specific, Measurable, Attainable, Relevant, Time-bounded excerpts from 10 principles for SOA education





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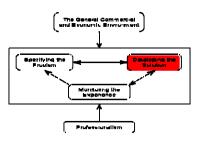
How do we assess learning?

Formative:

- external, e.g. marking service
- self-assessment, e.g. online testing, SOA's FAP
- peer-review, e.g. within a student cohort
- expert assessment, e.g. observation of behaviour

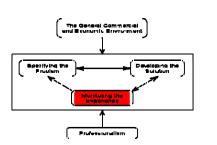
Summative:

- 'traditional' exam, e.g. MCQ or open answer
- observation of controlled exercise, UK's CA3 & Australia's CAP



Monitoring education

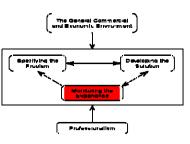
KPI: greater proportion of joiners are non-maths majors





KRI: (falling?) average class of degree of joiners who are maths majors

Monitoring education





Part of any solution is preparation to answer questions such as..

"Why has the pass rate risen?" e.g. CA3

"Has the new assessment technique achieved higher levels of validity?" e.g. FAP

Conclusions

To achieve our objectives in actuarial education we must:

- design systematically, not piece by piece
- improve higher-level learning objectives
- be more explicit about KPIs and KRIs
- sponsor greater innovation in learning / assessment tools
- adopt more well-situated experiential learning / assessment techniques
- invest in research that helps us to learn from the experience of implementing education strategy.



Discussion

 Professionalism in Society & The Actuarial Profession

Ronnie Bowie

President of the Institute & Faculty of Actuaries

Professionalism & Actuarial Oversight

Jon Thorne Project Manager Financial Reporting Council

• Educating Actuaries

David Wilmot Director of Education BPP Professional Education

