

## The FGAM strategy:

A summary of some of the key points of the FGAM strategy are shown here. A more detailed FGAM strategy document is currently being written which will expand upon these ideas. If you would like to discuss any of the ideas or have any suggestions about future directions for FGAM then please get in touch with the Head of FGAM, Professor Alan Blyth ([blyth@env.leeds.ac.uk](mailto:blyth@env.leeds.ac.uk)).

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### FGAM

- could play a central role in some/all of the instrumental/measurement challenges ahead.
- currently provides expertise for specific instruments within the community and therefore in some key areas of atmospheric science.
- can support the testing/validating of new instruments in some areas

### However, FGAM

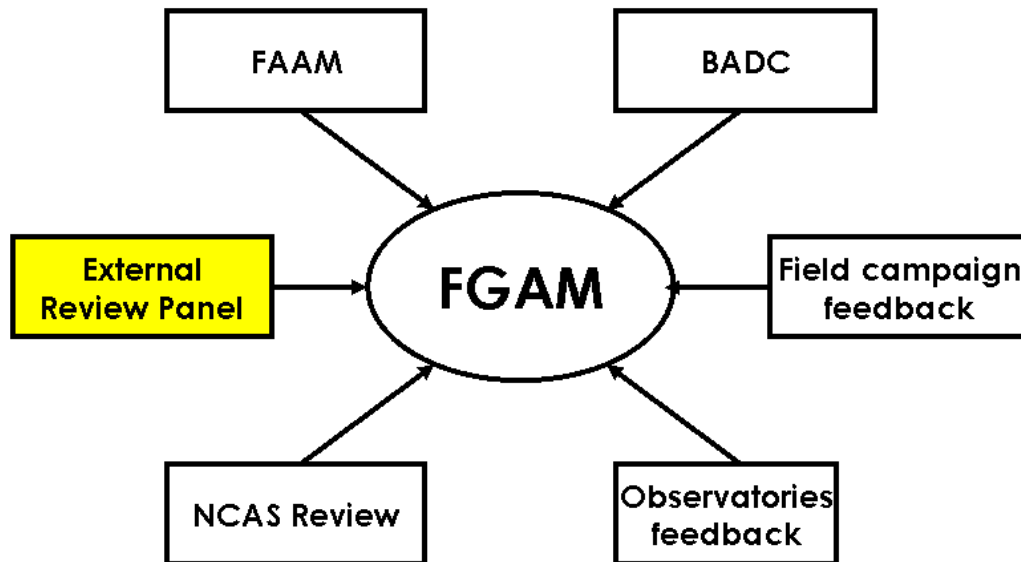
- currently has no **mechanism for change**
  - Replacing instruments
  - Introducing new instruments and measurements
  - Retiring old instruments
- has no formal **review** process

Both of these need to be addressed to enable FGAM to adapt to the changing needs of the community.

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## Review of FGAM

FGAM has many partners and users who are all able to provide feedback to improve the facility and drive forward to meet their needs.

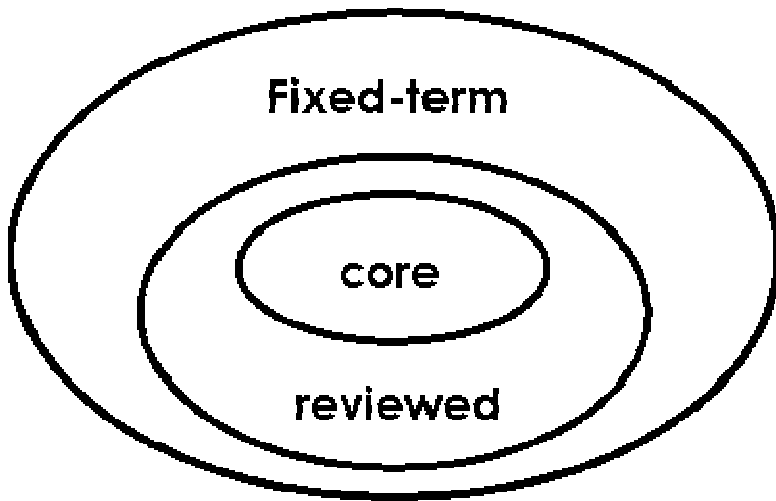


**External Review panel** – Consisting of overseas colleagues to provide feedback on how well FGAM is performing and what could/should be done differently to improve things.

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## Flexibility within FGAM

A range of measurements are made within FGAM and these should continue. Instruments/measurements could be classified into one of two or three groups.



- **Core:**

- Measurements which are thought to be important on long-time-scales.
- Established techniques
- unlikely to be improved upon in the near future.
- These could be some of the key climate change (ozone, methane carbon dioxide etc..) or photochemistry (OH, NO<sub>x</sub>, VOCs, radicals etc..) measurements.

- **Reviewed:**

- Instruments thought to of key importance now, but maybe some doubts as to whether the technology used will be out of date in the near future.
- Reviewed on a 3-5 year time period?

- **Fixed-term:**

- Novel instrumentation and emerging technologies
  - introduced into FGAM on a short-term basis.
  - Reviewed after a fixed period
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### **Flexibility within FGAM –**

- An instrument scientist (IS) could (**should**) be involved in all levels of the structure
- FGAM IS can provide expertise in a given field to a number of activities
- Provides a better (more varied) career structure for the instrument scientists
- May have knock-on effect on other activities:- Perhaps a trade-off between Lab development work and running instruments in the field.

We hope that this strategy will enable FGAM to be **science-driven** and meet the changing needs of the community.