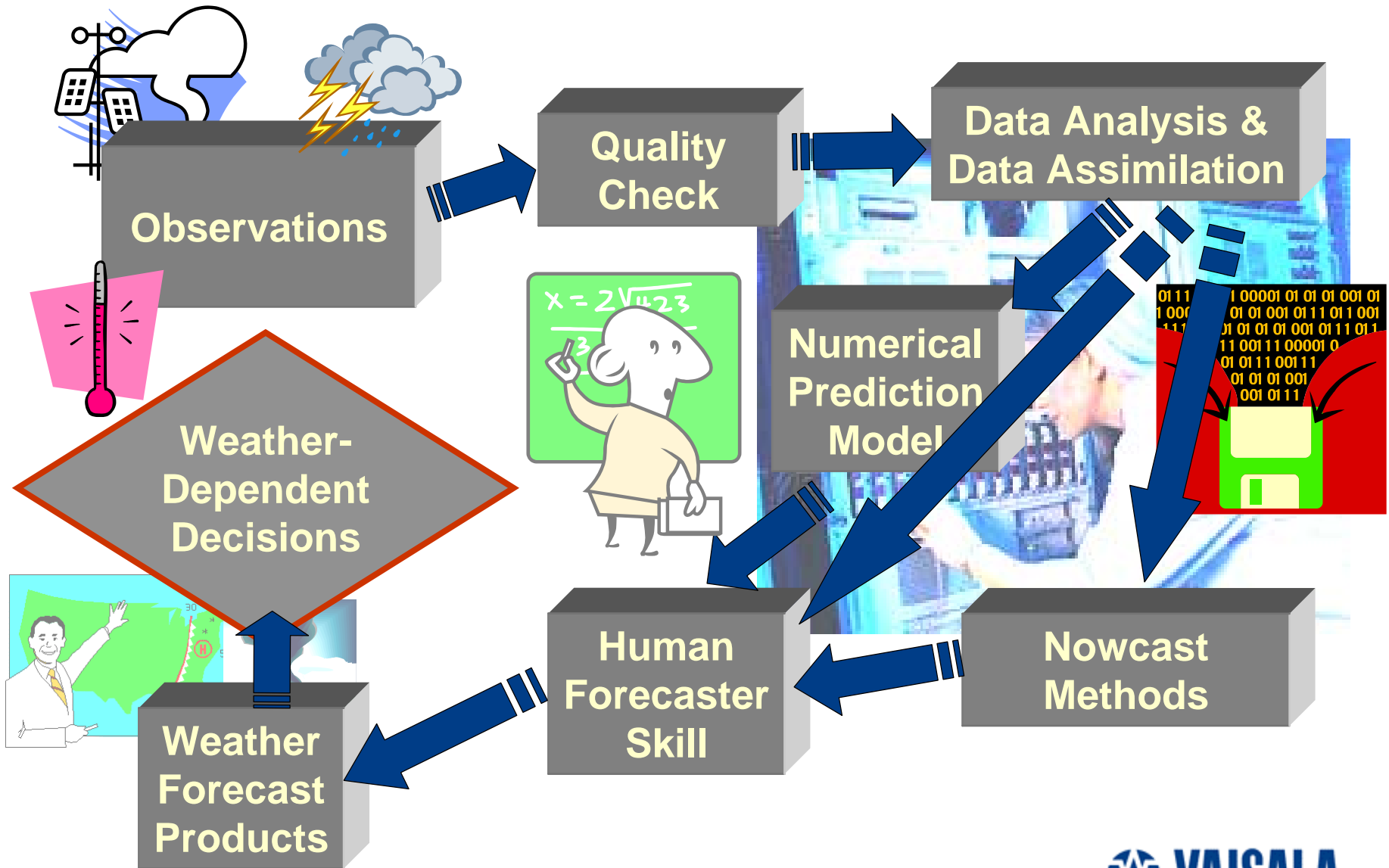


Elements of the Weather Prediction-Decision Process



Discussion -- some questions

- **Phenomena-based questions**

- What are the impacts of various weather phenomena on health, safety, resource management, and the economy?
- What kinds of predictions enable improved decisions?
- What kinds of predictions can be improved with better wx observations?

- **Observations-based questions**

- What is the incremental value of additional lower-tropospheric measurements?
 - To government? To the private sector?
 - Can the need/benefit justify the investment?
- How to design “optimal mix(es)” of mesoscale observing systems?
 - Role of OSEs? OSSEs? ‘Experience?’

- **Analysis-related questions**

- Is SOS Analysis an inherently multi-sector challenge? Academia-Government-Industry?
- What are the benefits in transitioning from research to operations?
- How to provide open access to observations and analysis products?

The Partnership Challenge -- some issues

Given the need for (and benefits of) high-resolution 3D mesoscale observations and the resulting improvements in analysis and forecast products -- and decision-making -- is there sufficient common ground to create viable, effective and long-term partnerships:

- a) among the various government agencies;
- b) among commercial competitors; and
- c) among the public, private and academic sectors?

What are the primary obstacles to a), b) and c)?

Is academia immune to the partnership conundrum?

The Partnership Challenge -- some definitions

- An agreement between parties to operate a business with stipulations regarding the sharing of profits and losses.

fcn.state.fl.us/fcn/centers/purchase/standardmanual/glossary.htm

- A form of ownership in which two or more partners are involved. ... a partnership arrangement carries unlimited liability for the owners. Limited Partnership is a special form of partnership to limit liability for most of the partners. Under this arrangement, one or more partners are designated as general partners and have unlimited liability for the debts of the firm, while the other partners are designated as limited partners and are only liable for their initial contribution.

iws.ohiolink.edu/companies/definitions.htm

- **Webster's Online (Rosetta Ed.) Dictionary:**

1. The members of a business venture created by contract.
2. A contract between two or more persons who agree to pool talent and money and share profits or losses.

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