

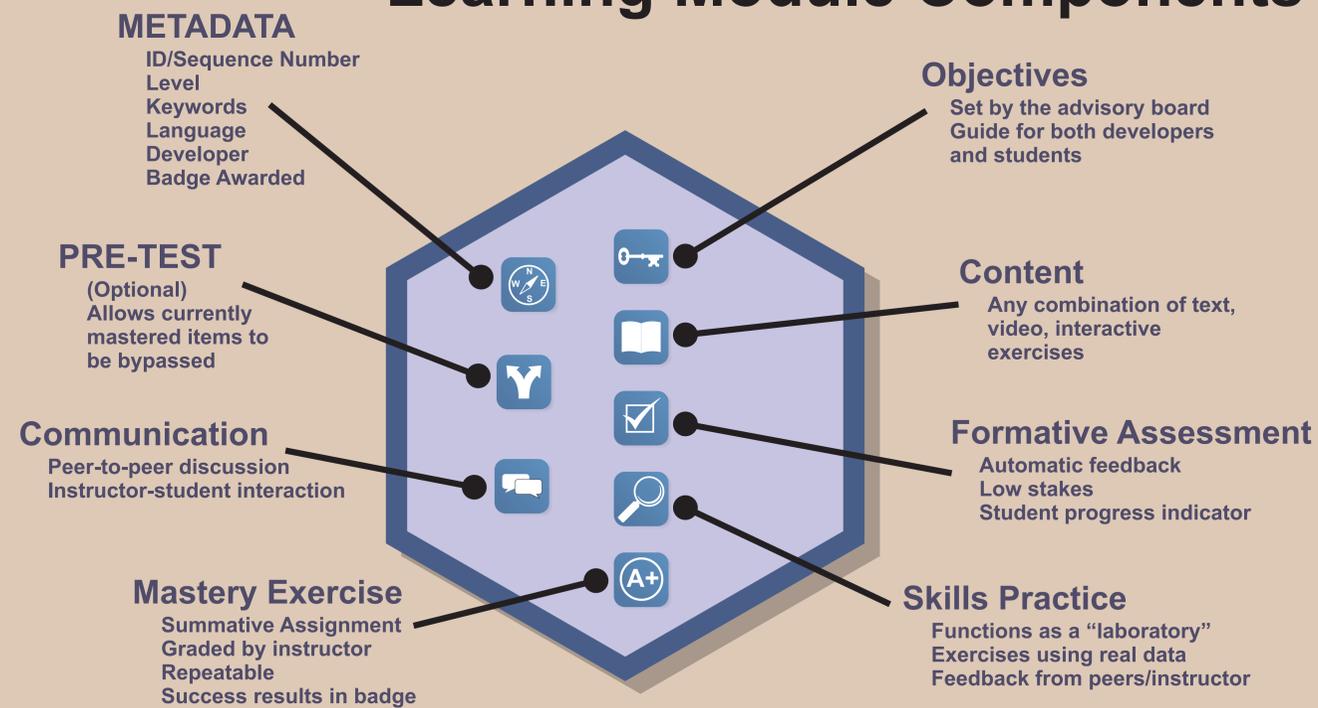
# Basic Instruction Packages via a Distributed Learning Network

## Requirements

An ideal learning network should meet the following criteria...

- **Accessible:** Allow students to access training materials on-demand from anywhere in the world.
- **Adaptive:** Identify student gaps in training and provide timely, tailored instruction in multiple languages and delivery mechanisms.
- **Trackable:** Provide a system of credentials that follows a student as a life-long learner.
- **Cost Effective:** Leverage system of world-wide experts to lower development and delivery costs.

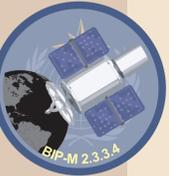
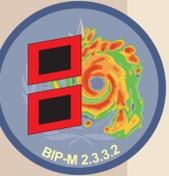
## Learning Module Components



## Badges

- Students earn badges for completing modules/training, both online and in-person. Badges are created by the WMO and map to BIP-M and BIP-MT learning objectives.
- Badges are awarded by certified instructors based on demonstrated mastery of BIP competencies.
- Students can show list of badges earned to employers as a record of training progression.
- Badges provide a stepwise approach to achieving larger certifications (BIP-MT/M).

See: <http://openbadges.org>

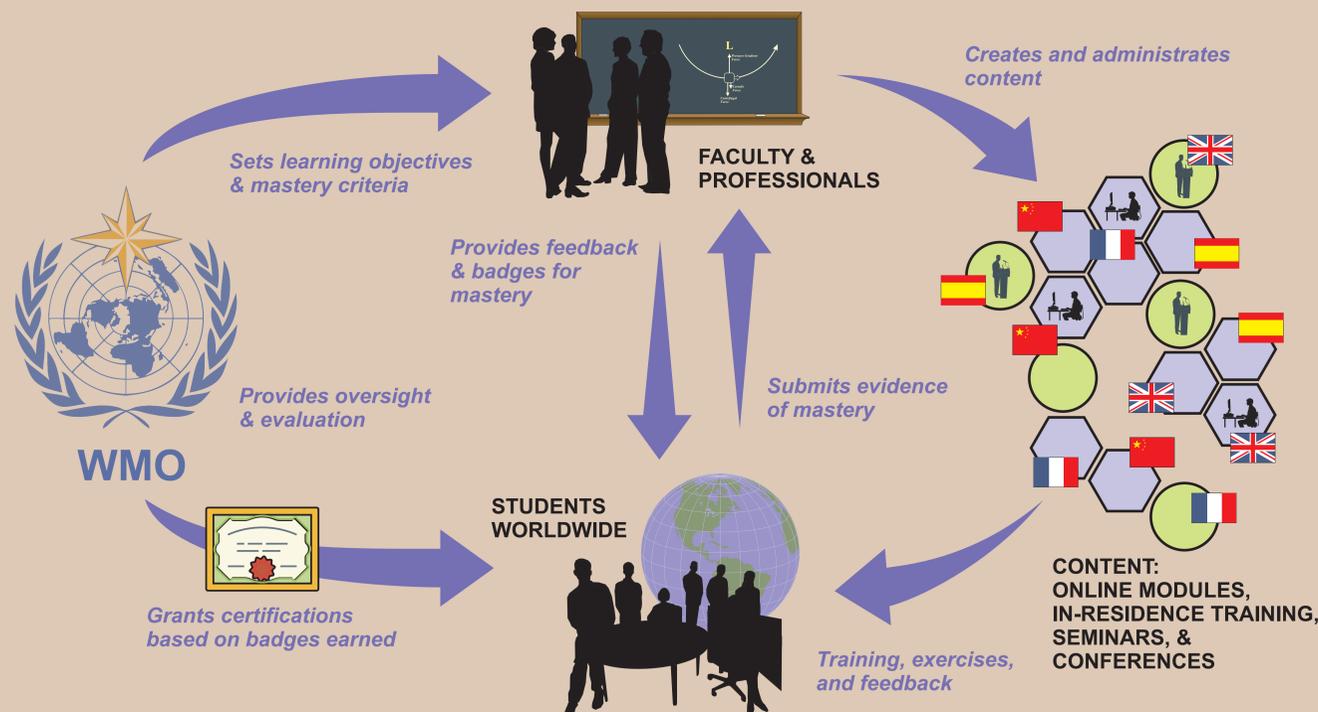


## Advantages

The proposed solution (vs in-person only approach) has the following advantages...

- **Distributed:** Many entities bear the training and development load. Students can obtain training while in-place and on the job.
- **Needs-Based:** Students can select modules specifically designed for their region and in their native language.
- **Flexible:** Training can be a mix of online, RTC and other workshop experiences.
- **Scalable:** System designed to scale as training needs grow. Eventually able to handle large influx of students at relatively low cost.

## Networked Learning



## Challenges

- **Funding Model:** Want to keep costs as low as possible, but how to compensate developers/instructors? If students charged per module, how is tuition collection accomplished?
- **Personnel:** How does WMO encourage/reward development of new training modules? How are new instructors recruited/compensated?
- **Infrastructure:** Can open-source systems be used to build the system? Does WMO manage the system? Or is it better invest in a course management system such as Coursera.



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