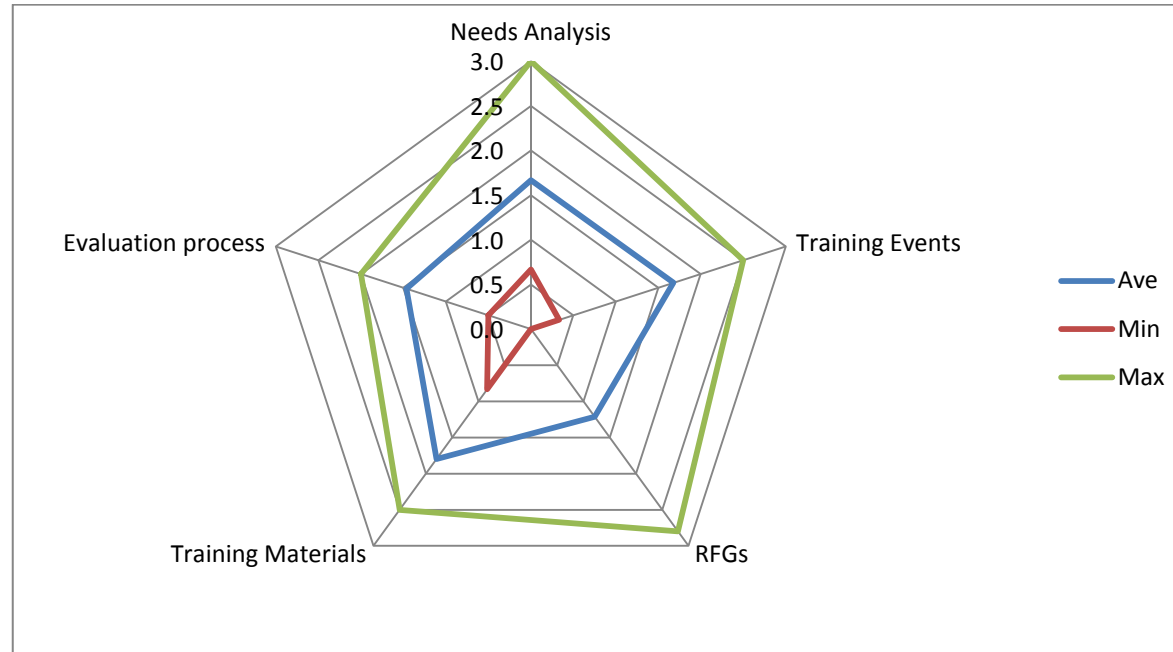# Centers of Excellence in 2014 – Self Assessment

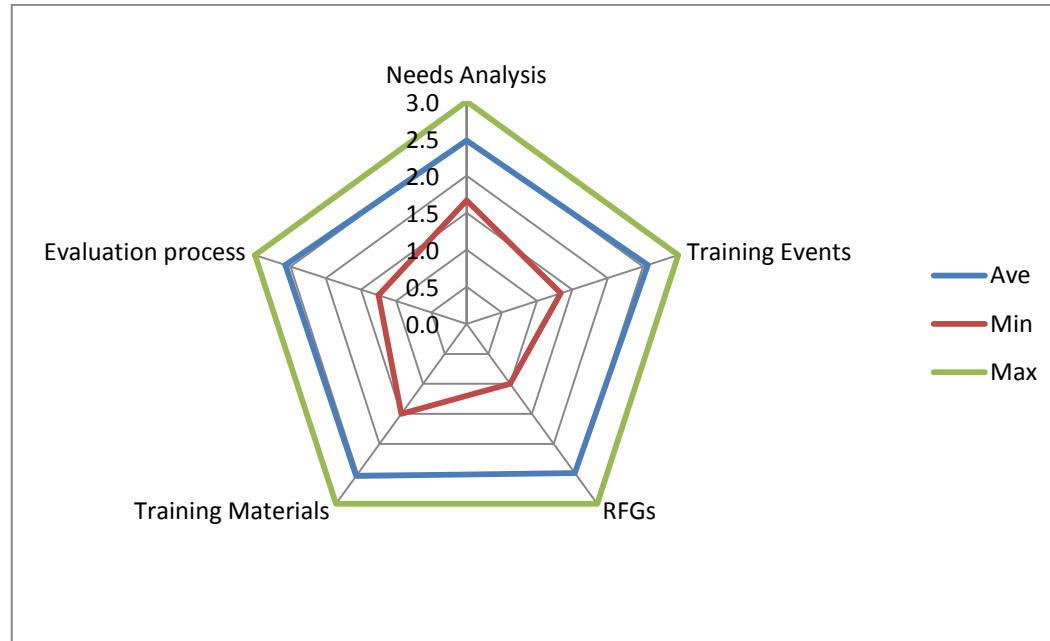

Average, Maximum and Minimum for each expectation area, N=14

	A	B	C	D	E	F	G	H	I	J	K	L	M	O	Ave	Min	Max	std
Needs Analysis	1.0	1.7	2.3	1.0	0.7	2.3	0.7	1.7	3.0	1.0	1.0	1.7	2.3	3.0	1.7	0.7	3.0	0.75
Training Events	0.7	2.5	2.2	0.8	2.0	2.2	0.3	1.5	2.5	1.7	1.0	1.8	2.3	2.0	1.7	0.3	2.5	0.73
RFGs	0.0	2.6	1.6	0.0	2.8	0.2	0.6	1.2	1.8	1.0	1.4	1.8	2.0	0.0	1.2	0.0	2.8	0.92
Training Materials	1.2	2.3	2.2	1.7	1.5	2.0	0.8	1.3	2.0	2.0	2.0	1.7	2.5	2.0	1.8	0.8	2.5	0.48
Evaluation process	0.8	2.0	2.0	1.5	1.0	1.0	1.0	1.5	0.5	1.5	1.0	1.8	2.0	3.0	1.5	0.5	2.0	0.51

(A-O are the different CoEs.)

Development: Centers of Excellence in 2016 – Self Assessment

Average, Maximum and Minimum for each expectation area – N=14.

	A	B	C	D	E	F	G	H	I	J	K	L	M	O	Ave	Min	Max	std
Needs Analysis	2.0	2.7	3.0	2.0	1.7	3.0	1.7	3.0	3.0	2.3	2.7	2.0	2.7	3.0	2.5	1.7	3.0	0.52
Training Events	2.0	3.0	3.0	1.5	3.0	3.0	1.3	2.7	3.0	2.7	3.0	2.2	3.0	2.7	2.6	1.3	3.0	0.61
RFGs	2.0	3.0	3.0	1.0	3.0	3.0	1.6	3.0	3.0	2.8	3.0	1.8	2.6	2.0	2.5	1.0	3.0	0.69
Training Materials	2.0	3.0	3.0	2.0	1.5	3.0	2.0	2.8	3.0	3.0	3.0	2.2	3.0	2.0	2.5	1.5	3.0	0.55
Evaluation process	2.3	2.8	3.0	2.0	1.3	3.0	2.0	3.0	3.0	3.0	3.0	2.0	2.8	3.0	2.6	1.3	3.0	0.58

(A-O are the different CoEs.)

2014	2016	Δ	
1.9	2.6	0.7	**Stakeholders / clients identified** Who requires the training to happen? (For example: NMHS, Ministry, etc).
1.6	2.5	0.9	**Processes in place to determine needs** For example: Surveys; Requests; User & Stakeholder meetings; Strategic, Operational & Project Plans; etc (You can read more about this in topic 4 of the WMO-1114)
1.6	2.4	0.8	**Implementation plan developed** For example: Agreed TOR; Objectives, Standards, Audience, Resources, Partners, Risks Identified & Managed.
1.6	2.4	0.8	**Resources allocated** Trainers identified and funded (and or institutional collaboration agreed), participants' expenses (and or institutional agreement), etc.
1.9	2.7	0.9	**Tools in place** Online and physical tools in place as needed - For example: classrooms, Web conference systems for online meetings, Learning Management System (such as Moodle, for example), etc.
1.8	2.6	0.9	**Training delivery model based on requirements** The learning solution choices of your CoE, such as informal / formal face to face, online and or blended learning solutions are driven by needs (You can read more about these in topic 5 of the WMO-1114).
1.9	2.6	0.8	**Training activities designed** Training activities based on design principles (Topic 6 of the WMO-1114)
1.4	2.6	1.1	**Training assessments based on standards** Assessment of trainees based on national / international standards / competencies (for example: WMO-1083, Aviation competencies and other existing standards related to the training subject)
1.6	2.5	0.9	**Training evaluation conducted** Post event evaluation undertaken and acted on (Topic 8 of the WMO-1114)
1.5	2.6	1.1	**Resources and tools in place** Trainers and online tools available
1.4	2.6	1.1	**Regular schedule of events implemented Events** happen regularly and are well advertised
1.1	2.5	1.4	**Regular participants identified and supported** There is engagement with the key users of RFGs and their needs are identified (including technical support for participation in the online sessions).
0.9	2.4	1.4	**Weather discussion delivered based on agreed needs / processes** There is a process to identify the users' needs.
1.1	2.4	1.4	**Feedback conducted** Evaluation undertaken and acted upon (Topic 8 of the WMO-1114).
1.6	2.4	0.9	**Determine full range of resources required to address training needs** Resources designed to meet identified needs, key needs have resources
1.9	2.5	0.6	**Tools and resources in place to develop materials** Trainers and technologies (including support to use the technologies) in place to develop training resources.
2.0	2.6	0.6	**Identify current materials that can be utilized** Existing resources that meet needs are identified and made available to users.
1.8	2.6	0.9	**Identify materials that need to be developed**
1.7	2.6	0.9	**Develop, re-assess, update materials according to established (QA) procedures** Materials are updated and maintained in a systematic manner
1.9	2.4	0.6	**Make resources available according to training program design requirements** Resources are easily accessible by target audience
1.5	2.6	1.1	**Capabilities developed to enable effective online learning** Trainers have skills to develop and facilitate online learning, and processes are in place to organise training (WMO-1114).
1.7	2.6	0.9	**Tools & techniques in place** Tools and technologies exist for online training (synchronous and or asynchronous tools).
1.6	2.7	1.1	**Regular scheduled online training events delivered according to needs analysis** Events happen according to plan and are well advertised
1.1	2.3	1.2	**Evaluations methodologies in place & evaluations conducted** Evaluation undertaken and acted upon (WMO-1114)

Average self assessment 2014, aspiration for 2016 and difference (Δ)

Elements ordered by average 2014 self assessment

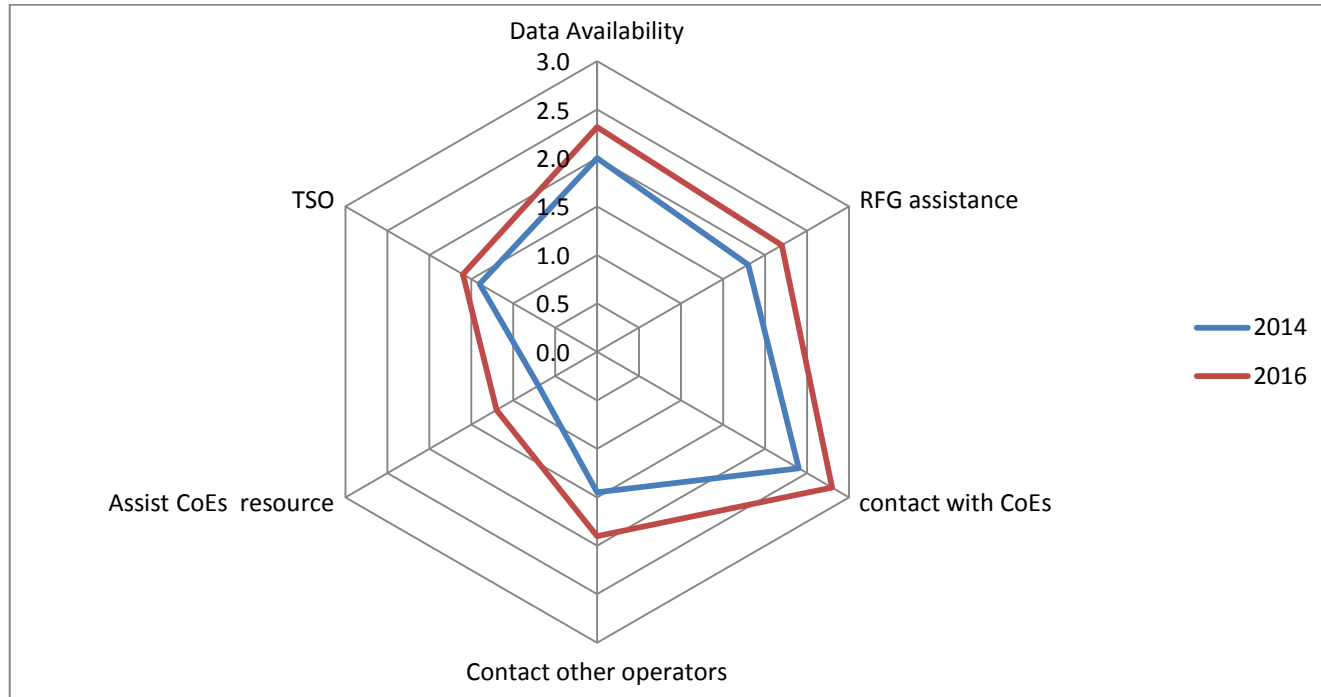| 2014	2016	Diff	
2.0	2.6	0.6	Identify current materials that can be utilized
1.9	2.6	0.7	Stakeholders / clients identified
1.9	2.7	0.9	Tools in place
1.9	2.6	0.8	Training activities designed
1.9	2.5	0.6	Tools and resources in place to develop materials
1.9	2.4	0.6	Make resources available according to training program design requirements
1.8	2.6	0.9	Training delivery model based on requirements
1.8	2.6	0.9	Identify materials that need to be developed
1.7	2.6	0.9	Develop, re-assess, up date materials according to established (QA) procedures
1.7	2.6	0.9	Tools & techniques in place
1.6	2.5	0.9	Processes in place to determine needs
1.6	2.4	0.8	Implementation plan developed
1.6	2.4	0.8	Resources allocated
1.6	2.5	0.9	Training evaluation conducted
1.6	2.4	0.9	Determine full range of resources required to address training needs
1.6	2.7	1.1	Regular scheduled online training events delivered according to needs analysis
1.5	2.6	1.1	Resources and tools in place
1.5	2.6	1.1	Capabilities developed to enable effective online learning
1.4	2.6	1.1	Training assessments based on standards
1.4	2.6	1.1	Regular schedule of events implemented
1.1	2.5	1.4	Regular participants identified and supported
1.1	2.4	1.4	Feedback conducted
1.1	2.3	1.2	Evaluations methodologies in place & evaluations conducted
0.9	2.4	1.4	Weather discussion delivered based on agreed needs / processes

Elements ordered by average 2016 aspiration

2014	2016	Diff	
1.9	2.7	0.9	Tools in place
1.6	2.7	1.1	Regular scheduled online training events delivered according to needs analysis
2.0	2.6	0.6	Identify current materials that can be utilized
1.9	2.6	0.8	Training activities designed
1.8	2.6	0.9	Training delivery model based on requirements
1.8	2.6	0.9	Identify materials that need to be developed
1.7	2.6	0.9	Tools & techniques in place
1.5	2.6	1.1	Capabilities developed to enable effective online learning
1.9	2.6	0.7	Stakeholders / clients identified
1.7	2.6	0.9	Develop, re-assess, up date materials according to established (QA) procedures
1.5	2.6	1.1	Resources and tools in place
1.4	2.6	1.1	Training assessments based on standards
1.4	2.6	1.1	Regular schedule of events implemented
1.9	2.5	0.6	Tools and resources in place to develop materials
1.6	2.5	0.9	Processes in place to determine needs
1.6	2.5	0.9	Training evaluation conducted
1.1	2.5	1.4	Regular participants identified and supported
1.9	2.4	0.6	Make resources available according to training program design requirements
1.6	2.4	0.9	Determine full range of resources required to address training needs
1.1	2.4	1.4	Feedback conducted
1.6	2.4	0.8	Implementation plan developed
1.6	2.4	0.8	Resources allocated
0.9	2.4	1.4	Weather discussion delivered based on agreed needs / processes
1.1	2.3	1.2	Evaluations methodologies in place & evaluations conducted

Elements ordered by 2016-2014 Difference.

2014	2016	Diff	
0.9	2.4	1.4	Weather discussion delivered based on agreed needs / processes
1.1	2.5	1.4	Regular participants identified and supported
1.1	2.4	1.4	Feedback conducted
1.1	2.3	1.2	Evaluations methodologies in place & evaluations conducted
1.6	2.7	1.1	Regular scheduled online training events delivered according to needs analysis
1.4	2.6	1.1	Training assessments based on standards
1.4	2.6	1.1	Regular schedule of events implemented
1.5	2.6	1.1	Capabilities developed to enable effective online learning
1.5	2.6	1.1	Resources and tools in place
1.7	2.6	0.9	Tools & techniques in place
1.6	2.5	0.9	Processes in place to determine needs
1.6	2.5	0.9	Training evaluation conducted
1.7	2.6	0.9	Develop, re-assess, up date materials according to established (QA) procedures
1.9	2.7	0.9	Tools in place
1.8	2.6	0.9	Training delivery model based on requirements
1.8	2.6	0.9	Identify materials that need to be developed
1.6	2.4	0.9	Determine full range of resources required to address training needs
1.6	2.4	0.8	Implementation plan developed
1.6	2.4	0.8	Resources allocated
1.9	2.6	0.8	Training activities designed
1.9	2.6	0.7	Stakeholders / clients identified
2.0	2.6	0.6	Identify current materials that can be utilized
1.9	2.5	0.6	Tools and resources in place to develop materials
1.9	2.4	0.6	Make resources available according to training program design requirements

Satellite Operators - Self Assessment

	2014					2016					Average	
	A	B	C	D	E	A	B	C	D	E	2014	2016
Data Availability	2.6	2.8	1.2	1.6	1.8	2.6	3.0	1.4	2.6	2.0	2.0	2.3
RFG assistance	3.0	2.0	0.5	2.5	1.0	3.0	2.5	1.0	3.0	1.5	1.8	2.2
Maintain contact with sponsored CoEs	3.0	3.0	1.0	2.0	3.0	3.0	3.0	2.0	3.0	3.0	2.4	2.8
Contact with other satellite operators	2.0	2.5	0.8	2.0	0.0	2.5	2.5	1.5	3.0	0.0	1.5	1.9
Assist CoEs to overcome resource constraints		1.5	0.5	1.5	0.0		2.5	1.0	2.5	0.0	0.7	1.2
VLab Technical Support Officer (TSO) resourced		3.0	1.0	3.0	0.0		3.0	2.0	3.0	0.0	1.4	1.6

Average across Satellite Operators, no response scored as 0. N=5.

Satellite Operator elements, ordered by 2014 average.

	2014	2016
Data useable by CoEs for Education and Training	2.4	2.6
Communication and data access issues	2.4	2.8
Advising on new resources available	2.4	2.8
Weather discussions supported	2.2	2.4
Formats follow WMO recommendations and are well explained	2	2.2
Online data support services for users is available	2	2.2
Data available and well documented	1.8	2.2
Surveys are regularly conducted to measure data accessibility and users satisfaction rate	1.8	2.4
Data access	1.6	2
Formats	1.6	2
Informations and web links on the other satellite operators are visible on the web site	1.6	2.2
Other events based on Earth Observation for Societal Benefit (GEO SBAs) supported	1.4	2
TSO funding	1.4	1.6
Other areas of interest	1	1.4
Direct assistance (if applicable)	1	1
Advice	0.6	1.2
Championing	0.6	1.2
CoE capacity support and development support	0.6	1.4

Satellite Operator elements, ordered by 2016 average.

	2014	2016
Communication and data access issues	2.4	2.8
Advising on new resources available	2.4	2.8
Data useable by CoEs for Education and Training	2.4	2.6
Weather discussions supported	2.2	2.4
Surveys are regularly conducted to measure data accessibility and users satisfaction rate	1.8	2.4
Formats follow WMO recommendations and are well explained	2	2.2
Online data support services for users is available	2	2.2
Data available and well documented	1.8	2.2
Informations and web links on the other satellite operators are visible on the web site	1.6	2.2
Data access	1.6	2
Formats	1.6	2
Other events based on Earth Observation for Societal Benefit (GEO SBAs) supported	1.4	2
TSO funding	1.4	1.6
Other areas of interest	1	1.4
CoE capacity support and development support	0.6	1.4
Advice	0.6	1.2
Championing	0.6	1.2
Direct assistance (if applicable)	1	1