

Working Paper No. 2014/07

Assessing organizational capacity in higher education

Design of an organization capacity assessment tool for Ethiopian new public universities. First results following a design-oriented approach.

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Abstract

The Ethiopian higher education system has realized enormous growth in the recent years and its future ambitions require additional capacity development in quality and in quantity. In planning and monitoring capacity development, organizational assessment plays a major role. This paper outlines the results of the first steps in the design of on organizational capacity assessment tool for Ethiopian new public universities and as such describes dimensions and indicators of university organizational capacity.

Key words

organizational capacity assessment, higher education, developing countries, Ethiopia, design-oriented research

1. Introduction

- 1.1. This document describes the results of the first steps of the design of an organizational capacity assessment tool (OCAT) for 13 new public universities (NPU) in Ethiopia. It is a 'work-in-process' document that will be updated using results of next steps in the research and design process. The OCAT research and design project is part of a larger donor sponsored capacity development program aimed at enhancing university leadership and management capacity in the 13 NPU¹ and was agreed upon in the April 2013 NPU presidents meeting in Addis Ababa (Van Deuren, 2013a).
- 1.2. The paper first describes the design-oriented research approach used in the OCAT design. This paragraph is followed by additional information on organizational capacity assessment. The last paragraph lists the elements of the prototype OCAT for Ethiopian NPU's.

2. Design-oriented research approach

- 2.1. The OCAT design follows a design-oriented research (DOR) approach in which design decisions are supported by results from (practice oriented) research. The project group working on the realization of the OCAT consists of five members: i) the project leader and the author of this working paper, ii) three representatives from different Ethiopian NPU's and iii) a representative from Ethiopian Education Strategy Centre (ESC).
- 2.2. The design cycle is made up of six stages (Verschuren & Hartog, 2005):

2.2.1.First hunch

Define small set of goals to be realized by the OCAT. The goals of the OCAT have been defined by the project group:

- OCAT to be developed is a tool for management, supporting (strategic) decision making and priority setting on organizational capacity development.
- OCAT aims to contribute to organizational learning.
- The results creates opportunities for bench marking with other universities.
- OCAT also contributes to Balanced Score Card planning and control cycle by widening the scope of organizational capacity and make things visible that previously were out of sight.

2.2.2.Requirements and assumptions

Specification of functional, user and contextual requirements to be fulfilled and of functional, user and contextual assumptions underlying the design. User requirements are investigated making use of semi-structured interviews with 13 NPU presidents and heads of transformation offices. The results of this empirical research I in the design cycle are not yet available but will be included in a next version of the working paper. Functional requirements and assumptions follow from OCAT- logic as described in paragraph 3 of this working paper.

2.2.3. Structural specifications

Listing of the characteristics, aspects and parts the OCAT must have in order to fulfill requirements and assumptions. For the OCAT this is fairly simple: instruments and procedures for collecting and analyzing data on organizational capacity. See also paragraph 3.

¹ University Leadership & Management Capacity Development Project (http://www.msm.nl/Projects/Projects/University-Leadership-and-Management-Capacity-Deve)

2.2.4.Prototype

The prototype represents the first realization of the OCAT ready for testing in an empirical setting. In order to speed up the OCAT design it was decided to start working on the first parts of the prototype before completing the user requirements research. The results of this part of the prototype design are presented in paragraph 4 of this paper. They will serve as input for discussion with experts. Both results from the expert interviews and results from the user interviews will be used to adjust and complete the prototype.

2.2.5.Implementation

In this stage the prototype is put into practice and piloted in 3 Ethiopian NPU. The empirical research II will not only test the OCAT but also provide university management with information on organizational capacity and collect data in the framework of capacity development in higher education institutions in developing countries.

2.2.6.Evaluation

Evaluation and adjustment of the prototype is based on interviews with 3 NPU's after analyzing the results of the pilot (empirical research III). Validation of the OCAT will be done in a meeting with the 13 NPU presidents. Finally, an OCAT toolbox will be created supported by a workshop on how to use the OCAT.

3. Organizational capacity assessment

- 3.1. OCAT's are designed to assess capacity, and plan capacity development. They help organizations in identifying strengths and weaknesses used as input for development plans. OCAT's also can be used to monitor capacity development; this requires repetition at discrete intervals (Simister & Smith, 2010:11).
- 3.2. Most of the OCAT work in a similar four-step way (Simister & Smith, 2010:12):
 - Breaking down capacity into manageable areas
 - Developing a ranking or rating system
 - Developing a process for ranking or rating capacity
 - Analyze the results and take action
- 3.3. OCAT's, in one way or another, break down capacity into a number of discrete areas. This assumes an, explicit or implicit, underlying model of capacity and its constituting elements. No standard or widely accepted model exists for the breakdown of capacity and choices mare are always somehow arbitrary. In the OCAT design for Ethiopian NPU the capacity development framework developed by Van Deuren (2013b) is used to break down capacity (see paragraph 4). Following the logic of capacity enhancement indicators (Mizrahi, 2003) the framework is used to identify dimensions that are further divided into sub-dimensions and indicators. In a later phase the indicators will be operationalized into specific items in a questionnaire.
- 3.4. The ranking or rating system and the process for ranking and rating will be defined at a later moment. Design choices foreseen relate to (mixed) use of
 - primary and/or secondary data
 - objective and/or subjective data
 - ordinal and/or interval scales (see illustration 1 for examples from literature)
 - o ordinal scales with prescribed answering options
 - o interval scales using only numerical indicators and naming scale extremes
 - respondents used to collect the information from
 - method of data-collection
- 3.5. In order to properly function an OCAT consists at least of:
 - One or more instruments / questionnaires guiding the collection of data on organizational capacity

- Procedure for collecting the data, including respondents chosen
- Procedure for analyzing the data

Illustration 1: Examples of ordinal and interval scales and mixed type

Ordinal scale (example taken from Venture Philanthropy Partners, 2001)

Item	1 Clear need for increased capacity	2 Basic lev capacity in			erate leve ty in place		4 High level capacity in p	
Overall strategy	Strategy is either nonexistent, unclear, or incoherent (large set of scattered initiatives); strategy has no influence over day-to-day behavior.	Strategy exeither not colinked to moverarchinal lacks cohe is not easy actionable; is not broat and has lininfluence of to-day beh	clearly ission, g goals, or rence, or strategy dly known nited over day-	has be and is missio but is a to be a strateo known	ent strategen develo linked to n and vision not fully re acted upor gy is mostl and day-t chavior is p by it.	opped on eady n; y	Organization clear, cohere medium- to strategy that actionable a to overall mi vision and overarching strategy is b known and consistently drive day-to-behavior at a of organization.	ent long-term t is both nd linked ssion, goals; rroadly helps day all levels
Interval scale (exampl	e taken from CEPU, 2013)						
Item			0	1	2	3	4	5
Preparation and imple Scorecard (BSC) / Str	mentation level of Balance ategic Plan	ed						
Mixture of ordinal and	interval scale (example ta	ken from Ch	arles, Conw	ay and E	Bennewort	h, 2009	9)	
Item	1	2		3		4	5	
Strategic plan for business support	No strategic plan in pland Ad hoc approach to business support.	ace.	Strategic developed partially in or restrict departme functions	d but only nplemented to cert nts or ce	ted, tain	(((((((((((((((((((Strategic plan developed as of an inclusive across the whuniversity. Accaross almost and recommended implemented. plan to set targmonitor achieved.	a result e process ole cepted all units ndations Us of gets and

4. <u>Dimensions and indicators of organizational capacity</u>

- 4.1. Following Van Deuren (2013b) breakdown of capacity is in four groups of variables:
 - Organizational characteristics / parameters
 - Organizational capabilities
 - Organizational processes / performance
 - Results

Results come from a good functioning of organizational processes or performance, in order to perform organizations need the right capabilities resulting from a combination of organizational characteristics.

- 4.2. Results, parameters and performance are classified in 9 groups. The first three groups (paragraph 4.3) relate to the core university functions: education, research and community service. The second three groups (paragraph 4.4) relate to supporting activities: human resources management, student management and management of facilities and infrastructure. The last three groups (paragraph 4.5) relate to leadership, organization and management: leadership, planning & control and organization & systems.
- 4.3. Education, research and community service.

 The tables below list the OCAT elements for the three primary process of the university: education, research and community service.

4.3.1.Education

Results	Program offering
	Bachelor programs: amount, sector, gender specific and % STEM
	Master programs: amount, sector, gender specific and % STEM
	Enrollments
	Undergraduate enrollment: amount, sector, gender specific and % STEM
	Graduate enrollment: amount, sector, gender specific and % STEM
	Graduation rates
	Undergraduate level: amount, sector, gender specific and % STEM
	Graduate level: amount, sector, gender specific and % STEM
	Efficiency
	Drop out / attrition rates: amount, sector, gender specific and % STEM
	Throughput time: amount, sector, gender specific and % STEM
	Labor market relevance
	Extent to which employers are satisfied with graduates competences.
	Extent to which alumni are satisfied with competences acquired.
	Extent to which graduates have a job or started their own business.
Education aspirations and	Education aspirations
strategy	Extent to which education mission, vision and overarching goals are clear. Extent to which education
	aspirations clarify on contribution of education to university mission and vision.
	Education strategy
	Extent to which university has a clear, actionable, realistic (also financially and organizationally)
	coherent medium- to long-term education strategy linked to overall strategy
	Extent to which education strategy is aligned with research, community service, HRM and other
	university strategies.
Curricula	Learning objectives / content
	Extent to which programs learning objectives are clearly described, conform to qualification
	frameworks and reflect relevant external developments.
	Educational vision / didactics
	Extent to which program visions exists on learning & teaching reflecting students 'characteristics and
	program learning objectives and that underpin the program didactic concepts and appropriate
	methods for teaching & learning.
	Program
	Extent to which educational programs are clearly described and designed in such a way that the
	integrated units (courses, modules) jointly result in the learning objectives.
	Extent to which programs learning objectives and educational vision are developed into course
	learning objectives and course descriptions outlining teaching activities, learning activities, learning
	materials and assessment methods.
	Extent to which students are aware of learning objectives and perceive the program feasibility to
	realize these objectives.
Teaching and learning	Teaching and learning practices
	Extent to which teaching and learning activities reflect the plans in the course outlines.
	Extent to which teaching reflects theory-practice, knowledge-skills, teacher centeredness-student
	centeredness balances.
	Extent to which innovative teaching and learning is encouraged and rewarded.
	Extent to which students perceive teaching supporting learning processes.
	Resources
	Extent to which adequate learning materials are available to students.
	Average class size.
	Ratio contact hours – self study hours.
Assessment of learning	Assessment policy
	Extent to which assessment visions and policies exist suited to assess programs and courses
	learning objectives guiding assessment plans (as described in the course outlines) and assessment
	practices.

Assessment of learning practices Extent to which assessment reflects the plans in the course outlines. Extent to which students' learning is assessed making use of various adequate assessment methods and reflects a mixture of formative and summative assessments. Extent to which students perceive assessments related to learning objectives and actual learning processes. Assessment transparency and feedback Extent to which grading processes are objective and transparent and available for students. Extent to which students perceive transparency and reliability of the grading processes. Quality assurance and improvement Quality assurance policy Extent to which policies, processes, organizational roles and resources exist and are used to measure and assure educational quality both for existing and new programs. Extent to which quality assurance encompasses elements such as learning results, content, teaching and learning and assessment. Extent to which staff, students, alumni and employers are involved in quality assurance. Quality assurance practices Extent to which use of the quality assurance systems leads to demonstrable improvement plans and follow-up. Extent to which use of the quality assurance systems leads to demonstrable improvement plans and follow-up. Extent to which labor market representatives are involved in deciding program learning objectives and participate in teaching and assessment activities. Extent to which the programs offer students to relate to labor market organizations by means of e.g. internships, assignments, community service. Labor market relevance Extent to which the programs offer students to relate to labor market organizations by means of e.g. internships, assignments, community service.		
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Extent to which the programs offer students to relate to labor market organizations by means of e.g. internships, assignments, community service.	and involvement	Extent to which labor market representatives are involved in deciding program learning objectives
internships, assignments, community service.		and participate in teaching and assessment activities.
		Extent to which the programs offer students to relate to labor market organizations by means of e.g.
Labor market relevance		internships, assignments, community service.
Edibol Markot folovanos		Labor market relevance
Extent to which programs reflect labor market relevant knowledge and skills, such as e.g. problem		Extent to which programs reflect labor market relevant knowledge and skills, such as e.g. problem
solving, entrepreneurship, communication and teamwork.		solving, entrepreneurship, communication and teamwork.
Extent to which students perceive the program provides the adequate knowledge and skills for future		Extent to which students perceive the program provides the adequate knowledge and skills for future
careers.		careers.

4.3.2.Community service

Results	Number / percentage of academic staff involved in community service	
	Number of people / organizations in the community served	
Community service	Community service aspirations	
aspirations and strategy	Extent to which community services mission, vision and overarching goals are clear. Extent to which community service aspirations clarify on contribution of community service to university mission and vision.	
	Community service strategy Extent to which university has a clear, actionable, realistic (also financially and organizationally) coherent medium- to long-term community service strategy linked to overall strategy Extent to which community service strategy is aligned to research, education, HRM and other university strategies.	
Community service	Education community service involvement	
involvement	Extent to which regular education activities contributes to community service by addressing specific wants and needs	
	Research community involvement	
	Extent to which university research is guided by community wants and needs and is characterized	
	by community involvement	
	Additional community service activities	
	Extent to which other community services exist	

4.3.3.Research

Results	Number / percentage of academic staff involved in research	
	Research funding per academic	
	Research publication	
Research aspirations and	Research aspirations	
strategy	Extent to which research mission, vision and overarching goals are clear. Extent to which research aspirations clarify on contribution of research to university mission and vision.	
	Research strategy	
	Extent to which university has a clear, actionable, realistic (also financially and organizationally) coherent medium- to long-term research strategy linked to overall strategy.	
	Extent to which research strategy is aligned with education, community service, HRM and other	

	university strategies.	
	Research agenda	
	Extent to which research agenda exists, clearly describes research themes and priorities and	
	participation of internal and external stakeholders.	
	Extent to which research agenda drives priority setting and resource allocation.	
Research organization and	Research culture	
management	Extent to which organizational culture supports research aspirations and management involvement to enhance organizational research involvement.	
	Research structure	
	Extent to which formal organization structure exists appropriate for realizing research ambitions and	
	plans.	
	Research planning and monitoring	
	Extent which plans exist aiming at realizing research strategy and are used for guiding daily work and priority setting.	
	Research funding and resources	
	Extent to which adequate funding is available for realizing research ambitions.	
	Extent to which teaching load of academic staff interferes with realization of research ambitions.	
	Research cooperation	
	Extent to which research involves national or international cooperation with external parties such as research centers, universities or industry partners.	

4.4. Management of staff, students and infrastructure. This section presents the table for the supporting activities contributing to the capacity in education, research and community service.

4.4.1. Human resources management

HR Planning	HR-planning
Tittianing	The extent to which policies, processes, organizational roles and resources exist and are used to
	forecast HR needs of the university and to plan steps to meet these needs.
	The extent to which HR planning relates to strategic plans (university wide and education, research
	and community service specific) and is integrated with other functional plans.
	The extent to which accurate and actual data on staff are available to support decision making.
HRM-cylcye	Recruitment and selection
	The extent to which policies, processes, organizational roles and resources exist and are used to
	recruit and select administrative and academic staff.
	The extent to with financial and non-financial compensation is adequate to recruit qualified staff.
	The extent to which faculty is involved in selection of academic staff.
	Training and professional development
	The extent to which policies, processes, organizational roles and resources exist and are used to
	develop administrative and academic staff.
	The extent to which budget is available for professional development.
	Percentage of staff engaged in professional development aimed at improvement on the subject
	matter and on didactical competences.
	Performance evaluation and rewarding
	The extent to which policies, processes, organizational roles and resources exist and are used to evaluate and reward staff performance.
	The extent to which evaluation and rewarding is related to strategic goals of the university.
	The extent to which peers and students are involved in performance evaluation.
Diversity	Diversity
Diversity	The extent to which policies, processes, organizational roles and resources exist and are used to
	strengthen the diversity of human resources.
	Percentage of female staff in various levels and functions.
Employee quality and	Proportion of faculty with bachelor, master and doctoral degree
efficiency	Percentage of faculty earning a degree after being hired
·	Percentage of faculty with didactical qualification
	Academic staff- student ratio
	Academic staff – administrative staff ratio
Employee satisfaction	Faculty and administration preference for this university over others
. ,	Faculty and administration satisfaction with employment
	Number of faculty members and administrators leaving

4.4.2.Student management

Recruitment and selection	Recruitment
	The extent to which policies, processes, organizational roles and resources exist and are used to
	inform and recruit prospective students.

	The extent to which information for prospective students is complete and correct.
	The extent to which prospective students are supported in selecting an appropriate study program.
	Selection
	The extent to which policies, processes, organizational roles and resources exist and are used to
	select students.
	The extent to which selection processes are transparent and in line with pre-defined criteria.
Student support	Student support
	The extent to which policies, processes, organizational roles and resources exist and are used to
	support students.
	Extent to which incoming students' abilities are assessed and appropriate interventions arranged.
	Extent to which academic and non-academic counseling services are in place.
	Extent to which students perceive student support as adequate.
	Complaints / appeals
	Extent to which complaints / appeals procedure exists and is adhered to.
	Extent to which students perceive complaints / appeals procedure and outcomes satisfactory.
Administrative	Student administration
	Extent to which student data (personal and performance) are correct, up to date and complete.
	Tracking student performance
	Extent to which student data are available and used to facilitate student support services (tracking
	student performance and signaling backlog).
	Generating management information
	Extent to which student data are used to create management information related to performance
	targets.
Alumni	Alumni
	The extent to which policies, processes, organizational roles and resources exist and are used to
	build and maintain relationships with alumni.
	The extent to which alumni are involved in Education (e.g. teaching, tracer studies), research and
	community service.
Diversity	Diversity
	The extent to which policies, processes, organizational roles and resources exist and are used to
	strengthen the diversity of student population.
	Female enrollment in undergraduate, graduate and STEM.
	Female graduation rates in undergraduate graduate and STEM.
	Female students' efficiency.
	Similar for students from pastoralist and underserved area's and disabled students.
Student satisfaction	Student preference for this university over others
	Student satisfaction with overall university experience

4.4.3. Management of facilities and infrastructure

Dhy gind infractive at use
Physical infrastructure
The extent to which policies, processes, organizational roles and resources exist and are used to
forecast infrastructure needs (buildings, internal services like water and electricity) of the university
and to plan steps to meet these needs.
The extent to which physical infrastructure is in line with educational, research and community
service ambitions.
Extent to which students and staff perceive physical infrastructure to be adequate.
Technological infrastructure
The extent to which policies, processes, organizational roles and resources exist and are used to
forecast technological infrastructure (computers, applications, network, website and e-mail) needs
of the university and to plan steps to meet these needs.
The extent to which availability and quality of technological infrastructure is in line with educational,
research and community service ambitions.
Extent to which students and staff perceive technological infrastructure to be adequate.
Academic infrastructure
The extent to which policies, processes, organizational roles and resources exist and are used to
forecast academic infrastructure (science laboratories, language laboratories, libraries) needs of
the university and to plan steps to meet these needs.
The extent to which availability and quality of academic infrastructure is in line with educational,
research and community service ambitions.
Extent to which students and staff perceive academic infrastructure to be adequate.
Housing and campus facilities
The extent to which policies, processes, organizational roles and resources exist and are used to
forecast housing and campus facilities (sports, recreation medical service etc.) needs of the
university and to plan steps to meet these needs.
The extent to which availability and quality of housing and campus facilities is in line with university
ambitions.
Extent to which students and staff perceive housing and campus facilities to be adequate.

4.5. Leadership, organization and management. The tables below show the items related to the steering and organizational context of the university.

4.5.1.Leadership

Aspirations	Mission
·	Extent to which a (written) mission expresses universities reason for existence, including values
	and purposes.
	Extent to which the mission is broadly held in the university and frequently referred to.
	Vision
	Extent to which a clear, inspiring, shared and demanding but achievable understanding exists of what the university aspires to become.
	Extent to which the vision is consistently used to direct actions and set priorities.
	Overarching goals
	Extent to which the vision is translated into clear, bold and measurable set of goals that university
	aims to achieve.
	Extent to which goals are broadly known and consistently used to direct actions and set priorities.
Formal leadership /	Inspiration
university management	Extent to which formal leadership is able to influence attitudes, behavior and values of others towards university goals.
	Support of formal leadership
	Extent to which academic and administrative staff support the formal leadership roles in the university.
	Institutional transformation / change
	Extent to which university leadership is able to communicate and discuss the rationale for change and 'sense-making' ('collective creation of a new reality through language').

4.5.2.Planning and control

Strategy	Strategy
2. a.e.g,	Extent to which university has a clear, actionable, realistic (also financially and organizationally)
	coherent medium- to long-term strategy linked to overall mission, vision and overarching goals.
	Extent to which the strategy is broadly known and held in the university and drives behavior at all
	levels in the university.
	Performance targets and realization
	Extent to which quantified performance targets that are linked to aspirations and strategy, exist in
	all area's of the university.
	Extent to which performance targets are realized.
	Policies
	Extent to which university policies in all area's (including ethics, academic misconduct, nepotism,
	HIV/AIDS and sexual harassment etc.) are transparent, understood throughout the organization,
	linked to aspirations and strategy and guiding behavior at all levels of the university.
Planning and control	Performance measurement, analysis and adjustment
· ·	Extent to which a comprehensive system exists for measuring performance and progress on
	continual basis including all aspects of university functioning.
	Extent to which performance is analyzed and used for making necessary adjustments and
	improvements.
	Strategic planning
	Extent to which strategic planning occurs regularly and strategic plans are used extensively to
	guide management decisions.
	Extent to which faculty is involved in strategic planning.
	Extent to which management information is available (both external to and internal to the
	university) to guide strategic planning.
	Monitoring landscape
	Extent to which the university has extensive knowledge on stakeholders and their interests and
	uses this information in strategic planning processes.
	Extent to which the university monitors external developments influencing university performance.
	Operational planning
	Extent to which university departments regularly develop and refine concrete, realistic and detailed
	operational plans (on e.g. faculty capacity planning, scheduling lecture halls and classrooms), both
	for routine activities and project activities.
	Extent to which operational plans are linked to strategic planning and systematically used to direct
	operations.
	Extent to which information is available to guide operational planning decision making.
	Financial planning

Extent to which solid financial plans budgets exist that are continuously updated following performance-to-budget monitoring.

Extent to which university higher-level budgets are translated into departmental, lower-level budgets and are integrated with operational plans.

Extent to which information is available to guide financial decision making.

Extent to which available budgets are used to its full extension.

4.5.3. Organization and systems

Organizational culture	Organizational culture
0, ga	Extent to which university culture embraces quality and performance as shared values and is
	characterized by openness to the outside world and external focus.
	Extent to which organizational culture is aligned with aspirations and strategy.
	Extent to which beliefs, values, preferences and practices are shared or scattered throughout the
	university and provide members with a sense or identity and direction for behavior.
Decision making	Decision making framework
	Extent to which clear and formal systems exist and are used for decision making including relevant
	participation and dissemination of outcomes
	Balance administration and faculty
	Extent to which decision making structures and processes achieve an effective balance between legal authority (administration, boards), professional authority (faculty) and students' interests.
	Decision making and problem solving
	Extent to which problem-solving in the university follows a logic approach (diagnosing the problem,
	identifying alternative courses for action, decision making) and involves the appropriate participation
	Information for decision making
	Extent to which information needed for sound decision making is available, looked-up, sought for
	and used.
Organizational structure	Board governance / government structure
Organizanonal siructure	Extent to which the governing structure links / harmonizes (conflicting) interests of internal and
	external stakeholders.
	Organizational design
	Extent to which tasks and responsibilities of all university entities are formalized, clear and a
	reflection of current reality.
	Extent to which organizational design is aligned with strategic plans and aspirations.
	Extent to which organizational structure and culture match.
	Individual job design
	Extent to which individual academic and administrative positions are formalized, clear and a
	reflection of current reality.
	Extent to which faculty job design reflects professional characteristics of the job and balances
	between professional autonomy and organizational bureaucracy.
	Vertical reporting and communication lines
	Extent to which vertical reporting and communication lines (top-down and bottom-up) to properly
	inform management and staff on issues relevant for smooth functioning of the university.
	Horizontal coordination
	Extent to which effective horizontal coordination and communication between departments and
	functions exists and functions, either formalized (e.g. team meetings, project groups, liaison
	positions) or informal.
Internal communication	Internal communication
	The extent to which information is actively exchanged to create a shared understanding among
	members of the university.
External relations	Partnership and alliances development and nurturing
	The extent, to which university identifies, approaches and effectively builds and maintains
	relationships with external organizations and groups of strategic importance.
	Local community presence, relations and involvement
	The extent to which the university is widely known within the local community and is perceived as
	actively engaged.
	The extent to which the university is aware of the power of public relations and marketing activities
	and actively makes use of them.
	Extent to which easy accessible interfaces exists between the university and the community.
	Extent to which casy accessible interfaces exists between the university and the confindinty.

4.6. Following the results from the interviews with NPU representatives and expert interviews the items will be adjusted and the system for ranking or rating and data-collection will be developed. Expert interviews are also expected to inform on how to include and operationalize the 5c-model of capacity.

List of abbreviations used

DOR design-oriented research
ESC Education Strategy Centre
NPU new public universities

OCAT organizational capacity assessment tools STEM science, technology, engineering and math

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