

## Enclosure 8

2012-04-11

### Development Contract for IT University of Copenhagen 2012-2014

#### Method for Deciding Goal Satisfaction

Every goal in this contract has the property that its satisfaction or non-satisfaction is decided independently from year to year. Thus, the fact that a goal is not satisfied in 2012 or 2013 does not preclude it from being satisfied in 2014.

#### Quality in Education

**Result Goal 1** The drop-out rate for bachelor students for the IT University as a whole will be at most 15 %<sup>1</sup>, provided the yearly admission does not exceed 200 students.

**Result Goal 2** The employment rate of MSc graduates who graduated at most four years ago must be at least as high as the national average for all “kandidat” graduates from Danish universities in the same period.<sup>2</sup>

#### Connectivity in the Education System

**Result Goal 3** The number ~~At least 75 % of the~~ students admitted on the MSc programme who are graduates from other institutions than the IT University itself will be at least 75 % of the budgeted total number of MSc students admitted.<sup>3</sup>

#### Faster Completion

**Result Goal 4** The percentage of Bachelor students who graduate on schedule (calculated by the method of Danish Universities) must be at least 50 %. ~~The percentage of MSc students that graduate with a delay of at most one year (calculated by the method of Danish Universities) must be at least 60 % in 2012, 62 % in 2013 and 64 % in 2014.~~<sup>4</sup>

<sup>1</sup> This is measured using the definitions of Danish Universities. Numbers for ITU have been: 2008: 31 %; 2009: 17 %; 2010: 15 %; 2011: 11 %. National average in the same period varies between 16 % and 17 %.

<sup>2</sup> This is measured yearly by the Ministry, based on numbers from “Danmarks Statistik”. In 2008, ITU’s MSc graduates had employment rate of 93 %, as compared to 90 % nationally; in 2010, however, ITU’s MSc graduates had an employment rate of 83 %, compared to the 86 % nationally.

<sup>3</sup> The admission procedure for MSc students does not and must not discriminate against ITU students. The goal is to be achieved by attracting a large number of well-qualified applicants from other institutions, as opposed to increasing the total number of students admitted beyond the budgeted capacity.

<sup>4</sup> ~~Comparisons~~ Comparison with the other Danish universities are only available at faculty level. Numbers for ITU are below those of SUND and TEK/NAT for the other universities, but above

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### Increased Innovation Capacity

**Result Goal 5** ITU will graduate at least 255 MSc's in 2012 and 284 in 2013 and 318 in 2014.<sup>5</sup>

**Result Goal 6 (Open Innovation)** ITU will participate in 8 open innovation projects in 2012, 11 in 2013 and 14 in 2014<sup>6</sup>.

### High-Impact IT Research

**Results Goal 7** The ITU will produce at least 152 bibliometric points in 2012, 166 bibliometric points in 2013 and 180 bibliometric points in 2014.<sup>7</sup>

**Result Goal 8** The IT University will attract and spend at least 30 million DKK of external funding in 2012, 35 million DKK in 2013 and 40 million DKK in 2014.

### The Work and Study Experience

**Result Goal 9** The ~~average score on the~~ course evaluation response of students to the quantitative questions should be question "Overall conclusion: I am happy with this course" averaged over all course is at least 4.75 on a scale from 1 to 6.<sup>8</sup>

**Result Goal 10** At least three additional full professorships will be advertised and filled by the end of 2014.<sup>9</sup>

**Result Goal 11** The score in 2013 on overall job satisfaction ("arbejdsglæde") for the IT University as a whole should be at least 72, or equivalent.<sup>10</sup>

### Globalisation

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numbers for HUM and SAM, see <http://www.dkuni.dk/Statistik/Universiteternes-statistiske-beredskab> table G.

<sup>5</sup> The number for 2011 was 247, but admission has increased sharply since 2008. Internal note: numbers estimated by Analysis Section.

<sup>6</sup> See Appendix Open Innovation for an explanation of Open Innovation.

<sup>7</sup> At this rate of growth, ITU will in 2016 reach what corresponds to 1 % of the national production of points in 2010. Note that, with the current processes for computing bibliometric points of the Danish universities, the bibliometric points for the year are not known until after the annual report for the year is completed. In particular, the bibliometric points for 2014 cannot be assumed to be available until late 2015. points in 2010.

<sup>8</sup> By "the quantitative questions" we mean questions number 1,2,3,4 and 6 of the six course evaluation systems (as of Spring 2012). If a different method of continuous evaluation is introduced, the goal has to be re-stated. In fall of 2011, the average was 4.67. Work on finding a different wording of this goal that takes into account more quality oriented evaluation questions is in progress.

<sup>9</sup> At the beginning of 2012, ITU has five full professors. Thus the number of full professors at the end of 2014 would reach at least eight.

<sup>10</sup> The scale used here is Ennova's scale, Ennova's scale. Everything about 70 is "high", according to Ennova. The 2011 score was 69. By "or equivalent" we mean that if a different supplier than Ennova is used, the result should also be "high" on that scale.

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**Result Goal 12** During 2012, at least 30 % of the assistant, associate and full professors at ITU (measured in FTE) will participate in formalised globally interactive research projects with partners outside Europe and the US. In 2013, the percentage should be at least 33 % and in 2014 at least 36 %.<sup>11</sup>

**Result Goal 13** During 2012, at least 100 students will, as part of their ITU studies, complete globally interactive learning activities at the IT University or obtain credit for study activities completed at universities abroad. In each of the following years, the minimum number is increased by 20, reaching 140 students in 2014.

### Efficiency

**Result Goal 1413** The ratio ( $\frac{\text{STÅ} + \text{årselever}}{\text{teaching FTE}}$ ) will be at least 14.4 in 2012, 15.0 in 2013 and 15.7 in 2014.<sup>12</sup>

**Result Goal 1514** The administration costs will be reduced from 13.3 % in 2009 to at most 12.7 % in 2012 and to at most 12.2 % in 2013 and 2014.<sup>13</sup>

<sup>11</sup> This increase continues the increase in goals from previous years.

<sup>12</sup> The number of STÅ and årselever consists of those STÅ and årselever that are delivered by teaching staff employed by ITU, full-time or part-time; similarly, the number of FTE counts all teaching done by teaching staff employed by ITU, both full-time and part-time staff. Study programmes outsourced to other institutions do not contribute to the calculation. The goal is to reach 17.0 in 2016. The goal is to reach 17.0 in 2016. (Internal note: 17.0 was the national average for Danish universities in 2010.)

<sup>13</sup> Administration costs are measured in the manner described in the PWC report "Analyse af de administrative omkostninger til generel ledelse og administration i 2008 og 2009 på de danske universiteter", "Analyse af de administrative omkostninger til generel ledelse og administration i 2008 og 2009 på de danske universiteter"; Maj 2011. The savings correspond to savings of at least 1.5 million DDK in 2012, 2.9 million DKK in 2013 and 2.9 million DKK in 2014, compared to maintaining the percentage from 2009.

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### Appendix Open Innovation

**Definition** An *open innovation project* is a formalized collaboration between an external organisation and the IT University with the explicit goal of contributing to the external organisation's development with academic IT competencies.

Note that there must be an explicit goal of changing/developing/innovating something in the external organisation.

A *formalized collaboration* is based on a written agreement covering more than half a year and more than half a man-year for every year of the collaboration.

Examples: an industrial PhD ("erhvervs-ph.d."); erhvervsPhD"), a collaboration agreement like the one ITU has with Københavns Kommune: collaboration between students or staff and a start-up company; collaboration under a tech-trans agreement; or a research project which specifically aims at innovation/development of an external organisation and where the external organisation commits at least half a FTE per year to the project. A single MSc thesis by itself does not count, but an agreement covering several theses may count.

*Academic IT competencies* are either research done by a faculty member or a PhD student or students projects approved as Master theses.

As of Feb 2012, ITU is known to have the following 6 Open Innovation projects.