852985 SIMICA

Deliverable D 1.2 Report

KPIs definition for SIMICA and Impact assessment in the 3-year period prior to SIMICA for all KPIs

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Overview of the report

This document is developed as part of the project "Site-selective protein-modification chemistries for antibody-drug conjugates (ADCs)" (hereinafter referred as SIMICA) which has received funding from the European Union's H2020-WIDESPREAD-TWINNING-2018-2020, under the GA 852985.

This report describes the completion of deliverable D1.2: *KPIs definition for SIMICA and Impact assessment in the 3-year period prior to SIMICA for all KPIs.*

KPI definition for SIMICA

Fourteen relevant Key Performance Indicators (KPIs) were defined as a measure of achieving the SIMICA project objectives, as shown in the table below:

OB Number	OB Description	KPI Definition
1	Effectively place iMM at the forefront of science and processes in Europe	1.1. Number of scientific publications in peer-reviewed journals 1.2. Number of newsletters or press releases 1.3. Number of scientific publications with international partners 1.4. Number of students with international exposure
2	Ignite an ambitious research community	2.1. Number of researchers benefiting from international mentoring 2.2. Number of international expert visits to iMM
3	Increased participation in international collaborative projects	3.1. Participation in collaborative proposals 3.2. Number of submitted *versus* funded projects
4	Increase the entrepreneurial and risk-taking spirit among iMM's community	4.1. Number of new patents 4.2. Number of entrepreneurial training and innovation initiatives attendance
5	Better integration of iMM in regional, national and European business community	5.1. Number of new contracts and collaboration agreements with industry
6	Leverage iMM's research excellence and impact across its different research areas	6.1 Number of documents cited relative to the institution
7	Scientific and innovative boost to the region and the country	7.1 Number of documents cited relative to country/ territory
8	Contribute to increased scientific awareness among the general public	8.1 Number of public engagement activities

If/ when appropriate, their further refinement/ specification will be proposed, with a dully justification.

Impact assessment in the 3-year period prior to SIMICA for all KPIs

The data source and methodology of KPI assessment for the period between 2016 and 2018 are described in this report. Various data sources have been evaluated and the choice was made as to allow more robust analysis and a better comparison between different KPIs. Internal data were mostly retrieved from iMM Annual Activity Reports and the Administrative Facilities' feedback. The selected external data source was Web of Science, using currently available institutional assess.

The data here presented will serve as a reference point for the two following assessment points - interim report (M26) and end of the project report (M36) as well as for the forecast of the three year period following the project (D1.8; M36).

KPI 1.1 Number of scientific publications in peer-reviewed journals

A list of 126 peer-reviewed publications originated at iMM in the research area of chemistry has been compiled using Web of Science. Due to earlier alterations of the institutional affiliation and certain inconsistency in its proper use, it was previously established that three different names should be combined in a query of Web of Science in order to get the most reliable data set, namely Query: AD=(Inst Med Mol SAME Portugal) OR AD=(Mol Med Inst SAME Portugal) OR AD=(Inst Mol Med SAME Portugal). The search was further refined by selecting the "Chemistry" research area and by excluding the document types "Correction" and "News". The report was generated on July 19, 2019. In the table below, the number of peer-reviewed publications per year in the chemistry research area can be found.

Year	2016	2017	2018
Total number of peer-reviewed publications at iMM in the research area of chemistry	38	43	45

KPI 1.2 Number of newsletters or press releases

The KPI 1.2, the number of newsletters or press releases sharing key information about SIMICA and its results, should be considered zero for the 2016-2018 period prior to start of the project, since there are no records on these activities for this period. Successful SIMICA project implementation will directly reflect on this KPI in the following impact assessments (M26 and M36).

KPI 1.3 Number of scientific publications with international partners

Authors' affiliations for each publication in the previously defined list of peer-reviewed publications in the chemistry field at iMM (KPI 1.1) have been assessed. Those having at least one author from institutions outside Portugal have been summed. The table below depicts the number of scientific publications with international partners for a given year.

Year	2016	2017	2018
Total number of peer-reviewed publications at iMM in the research area of Chemistry with international partners	28	33	30

KPI 1.4 Number of students with international exposure

The number of students at iMM participating in international events, including but not limited to conferences, workshops and summer schools in the chemistry research field is shown in the table below. iMM Annual Activity Reports have been used as a source of data. The data here presented will serve as a reference point for the two following assessment points - interim report (M26) and end of the project report (M36) as well as for the forecast of the three-year period following the project (D1.8; M36).

Year	2016	2017	2018
Number of students with international exposure	0	0	14

KPI 2.1 Number of researchers benefiting from international mentoring

The KPI 2.1, the number of researchers benefiting from international mentoring through SIMICA, should be considered zero for the 2016-2018 period prior to start of the project, since there are no records on these activities for this period. Successful SIMICA project implementation will directly reflect on this KPI in the following impact assessments (M26 and M36).

KPI 2.2 Number of international expert visits to iMM

iMM has a rich agenda with various internal and external events organised in general or research field-specific categories, however open to the entire scientific community. International experts are mainly hosted during the so-called "Monday lectures", however they

are often presented in other seminar series. The sources of information for the assessment of this KPI were the iMM Annual Activity Reports. In the table below, the total number of international expert visits for the 2016-2017 period is presented. The data here presented will serve as a reference point for the two following assessment points - interim report (M26) and end of the project report (M36) as well as for the forecast of the three year period following the project (D1.8; M36).

Year	2016	2017	2018
Total number of international expert visits to iMM	68	72	94

KPI 3.1 Participation in collaborative proposals

The number of participations in collaborative project proposals submitted to international competitive funding were given by the iMM's Funding Office and are described in the table below. This data will serve as a reference point for the two following assessment points - interim report (M26) and end of the project report (M36) as well as for the forecast of the three-year period following the project (D1.8; M36).

Year	2016	2017	2018
Total number of participations, as beneficiary, coordinator or other (e.g. subcontracted, third party), in collaborative project proposals submitted to international competitive funding	64	59	91

KPI 3.2 Number of submitted *versus* funded projects

Success rate in competitive international funding was assessed using the same data source described for the KPI 3.1. The table below reports the total number of project proposals submitted and accepted to international funding schemes. The data here presented will serve as a reference point for the two following assessment points - interim report (M26) and end of the project report (M36) as well as for the forecast of the three-year period following the project (D1.8; M36).

Year	2016	2017	2018
Total number of participations, as beneficiary, coordinator or other (e.g. subcontracted, third party), in collaborative project proposals	64	59	91

submitted to international competitive			
Total number of collaborative project proposals **accepted** for international competitive funding	6	12	12

KPI 4.1 Number of new patents

The data from the iMM Annual Activity Reports were used to assess this KPI. The data here presented will serve as a reference point for the two following assessment points - interim report (M26) and end of the project report (M36) as well as for the forecast of the three-year period following the project (D1.8; M36).

Year	2016	2017	2018
Number of filed patents with iMM researchers as inventors	5	6	15

KPI 4.2 Number of entrepreneurial training and innovation initiatives attendance

As for KPIs 1.2 and 2.1, KPI 4.2 should be considered zero for the 2016-2018-period prior to the start of project. Successful SIMICA project implementation will directly reflect on this KPI in the following project reports (M26 and M36) and impact assessment (M36).

KPI 5.1 Number of new contracts and collaboration agreements with industry

The total number of new contracts and collaboration agreements with industry at iMM initiated in the given year were given by the iMM's Funding Office and are described in the table below. This data will serve as a reference point for the two following assessment points - interim report (M26) and end of the project report (M36) as well as for the forecast of the three-year period following the project (D1.8; M36).

Year	2016	2017	2018
Total number of Research – Business agreements at iMM	63	23	22

KPI 6.1 Number of documents cited relative to the institution

The assessment was performed on July 19, 2019, using Web of Science and the methodology previously applied to assess KPI 1.1. Briefly, the query AD=(Inst Med Mol SAME Portugal) OR

AD=(Mol Med Inst SAME Portugal) OR AD=(Inst Mol Med SAME Portugal) was used with the exclusion document types "Correction" and "News".

Year	2016	2017	2018
Total number of peer-reviewed publications at iMM	365	403	408

KPI 7.1 Number of documents cited relative to country/ territory

The assessment was performed on July 19, 2019, using Web of Science and the methodology previously applied to assess KPIs 1.1 and 6.1. In short, the query AD=Portugal was used and the search was further refined by selecting the "Chemistry" research area and by excluding document types "Correction" and "News".

Year	2016	2017	2018
Total number of peer-reviewed publications in Portugal in the area of chemistry	3145	3107	3166

KPI 8.1 Number of public engagement activities

As for the KPIs 1.2, 2.1 and 4.2, KPI 8.1 should be considered zero for the three years prior to the start of the project. Successful SIMICA project implementation will directly reflect on this KPI in the following project reports (M26 and M36) and impact assessment (M36).