

## Individual Research Plan for doctoral students in the GeoPlanet Doctoral School

(Art. 202 of The Law on Higher Education and Science: Doctoral students, in consultation with the doctoral student supervisor(s), shall draw up an individual research plan including in particular a schedule for the preparation of the doctoral dissertation, and they shall submit it to the entity operating the doctoral school within 12 months of the date of the commencement of education. If an assistant supervisor is appointed, the plan shall be presented after the provision of opinion by that supervisor.)

### I. Basic data

DOCTORAL STUDENT
<b>First name:</b>
<b>Surname:</b>
<b>Institute:</b>
<b>Email:</b>
<b>Date of the commencement of education in the Doctoral School:</b>
SUPERVISOR, SUPERVISORS <sup>1</sup> , ASSISTANT SUPERVISOR
<b>Academic title/degree and name of the supervisor:</b>
<b>Institute:</b>
<b>Academic title/degree and name of the assistant supervisor:</b>
<b>Institute:</b>
DOCTORAL DISSERTATION
<b>Subject of the doctoral dissertation:</b>
<b>Scientific discipline:</b>
<b>Deadline for submission of the doctoral dissertation: dd-mm-yyyy</b>
<b>Short formulation of the research problem addressed in the doctoral dissertation, in particular of the planned original solution to the problem:</b>
<b>Description of the planned research and methodology:</b>

<sup>1</sup> Provide the data for all supervisors.

## II. Detailed schedule for preparation of the doctoral dissertation<sup>2</sup>

I YEAR OF EDUCATION (year of 20.../20..).			
Lp	Name of the research task (expected period of implementation in months)	Description of the implementation of the research task	Expected outcomes of the research task, in particular measurable effects <sup>3</sup>
I.1			
I.2			
I.3			
<b>Planned activities aimed at increasing qualifications of the doctoral student and preparing for the research and/or didactic work<sup>4</sup>:</b>			
Lp	Description of the activity:		
I.a			
I.b			
I.c			
<b>Remarks, including possible risks for the implementation of the scientific tasks and means to minimize them (explicitly refer to task numbers)<sup>5</sup>:</b>			

<sup>2</sup> Adjust the number of table rows accordingly, keeping unambiguous numbering in the first column (I.x - for the first year of education, II.x, for the second year of education, etc).

<sup>3</sup> e.g., completion: of the numerical code, of the observing programme, of the field research, of the data collection and reduction, of the literature query; publication of the refereed journal paper, conference proceedings; presentation of the research results in a seminar or conference talk; passing of the lecture examination, etc.

<sup>4</sup> e.g., passing the lecture related to the subject or methodology of the doctoral dissertation, participation in the conference, research internship, academic exchange program, preparation of the research proposal/grant, etc.

<sup>5</sup> e.g., risks related to the realization and completion of the observing programme or field research; risks related to the completion of research tasks that depend on completion of other projects not connected directly with the doctoral student; risks related to the need of raising funds that are necessary to complete research tasks, purchase of the equipment, etc.

**III. Learning outcomes achieved in the course of education in relation to level 8 of the Polish Qualifications Framework**

<b>Characteristics of learning outcomes in the knowledge category. The doctoral student knows and understands ...</b>		<b>Corresponding items in the individual research plan schedule</b>
P8S_ WG	<p>the world's achievements relating to:</p> <ul style="list-style-type: none"> <li>● theoretical foundations</li> <li>● general and selected specific issues of the academic or artistic discipline</li> </ul> <p>at a level enabling the revision of existing paradigms;</p> <p>the main scientific developments in the academic or artistic disciplines essential to the study programme;</p> <p>the methodology of scientific research;</p> <p>rules for dissemination of scientific results, including through open access</p>	<i>eg., I.1, II.a</i>
P8S_ WK	<p>the fundamental dilemmas of modern civilization;</p> <p>the economic, legal, ethical and other essential conditions of conducting scientific research;;</p> <p>basic principles of knowledge transfer to the economic and social sphere and commercialization of scientific results and know-how related to these results</p>	
<b>Characteristics of learning outcomes in the skills category. The doctoral student is able to...</b>		<b>Corresponding items in the individual research plan schedule</b>
P8S_ UW	<p>take advantage of knowledge from different academic or artistic fields to creatively identify, formulate and innovatively solve complex problems or perform research activities, especially:</p> <ul style="list-style-type: none"> <li>● to define the aim and subject of the research, formulate a research hypothesis</li> <li>● develop research methods, techniques and tools and use them creatively</li> <li>● draw conclusions on the basis of research results</li> </ul> <p>perform critical analysis and evaluation of the results of scientific research, expert activities and other works of a creative nature and their contribution to knowledge;</p> <p>transfer the results of research studies to the economic and social spheres</p>	
P8S_ UK	<p>communicate on specialized topics to a degree that enables active participation in an international scientific environment;</p> <p>disseminate research results, also to the general public;</p> <p>initiate debates;</p> <p>participate in academic discourse;</p> <p>use a foreign language at B2 level of the Common European Framework of Reference for Languages to the extent that enables participation in international academic and professional communities</p>	

P8S_ UO	plan and implement one's own and a team's research or creative work, also in the international community	
P8S_ UU	autonomously plan and act on behalf of personal development and inspire and organise the development of others; plan and implement classes or groups of classes using modern methods and tools	
<b>Characteristics of learning outcomes in the social competence category. The doctoral student is ready to...</b>		<b>Corresponding items in the individual research plan schedule</b>
P8S_ KK	critically evaluate the achievements of one's academic discipline; critically evaluate one's contributions to the development of that field; recognize the value of knowledge in solving cognitive and practical problems	
P8S_ KO	fulfill the social obligations of researchers and artists; initiate activities on behalf of the public interest; think and act in an enterprising manner	
P8S_ KR	uphold and develop the ethos of the research and artistic communities, including: <ul style="list-style-type: none"> <li>• conducting research in an independent manner</li> <li>• respecting the principle of the public ownership of academic research results, taking into account intellectual property rights</li> </ul>	

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*(date and signature of the doctoral student)*

Individual research plan was prepared in consultation with the doctoral student supervisor(s).

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*(date and signature(s) of the supervisor(s))*

**Opinion of the assistant supervisor (if appointed)**

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*(date and signature of the assistant supervisor)*

Individual research plan was submitted/changed<sup>6</sup> on .....dd-mm-yyyy.....

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*(signature of the coordinator of the Doctoral School)*

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<sup>6</sup> delete as appropriate