Annex 5-A

Project 5

Material mechanical micro - nano- scaled features and their impact on human safety

Time frame

	2014		2015				2016				2017			
	III	IV	I	II	III	IV	I	II	II	IV	I	II	III	IV
1. Development of research methods for early diagnostics of destruction of surface of polymer composite materials	**X**	**X**	**X**	**X**	**X**	**X**								
1.1. a method to study the influence of aquatic microorganisms on early destruction of materials	X	X	X	X	X	X								
1.2. a method to study visual recognition of early destruction using destruction-induced staining	X	X	X	X	X	X								
2. Development of methods for early diagnostics of destruction of polymer composite materials							**X**	**X**	**X**	**X**				
2.1. the method for early diagnostics of destruction using *in situ* electron emission spectroscopy							X	X	X	X				
2.2. the method for early diagnostics of destruction, based on the influence of aquatic microorganisms							X	X	X	X				
2.3. the method of visual recognition of early destruction using destruction-induced staining							X	X	X	X				
3. Application of methods for early diagnostics of destruction of surface of polymer composite materials in enterprises											**X**	**X**	**X**	**X**
3.1. Application of diagnostic methods in machinery manufacturing and constructions (development of recommendations)											X	X	X	X
3.2. Application of diagnostic methods in manufacturing of polymeric pipes for drinking water (development of recommendations)											X	X	X	X
4. Number of scientific publications						**1**				**2**				**2**
4.1. Scopus										1				1
4.2. Proceedings of conferences						1				1				1
5. Conferences						**1**				**1**				**1**
6. Development of doctoral and master theses	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**	**X**
7. Registered Latvian patent														**1**