

Code:	L2-8190
Title:	UV sensor nanoparticles embedded into PA fibres
Duration:	1.5.2017 – 30.4.2020
Range in 2017:	1,05 FTE
Leader:	Prof.dr. Aleksandra Lobnik
Partners:	IOS, Institute for Environmental Protection and Sensors ltd (Lead partner); Institut Jozef Stefan; AquafilSLO, d.o.o.
Description :	The project idea is to develop new UV sensor nanoparticles, which will change colour in the presence of excessive UV radiation by absorbing the UV radiation. A new technological approach will also be introduced in order to develop UV sensor PA fibre through the direct incorporation of the UV sensor nanoparticles. The project phases include the synthesis of UV-sensing nanoparticles, the preparation of UV-sensitive PA fibres and the scale-up production process of UV-sensing nanoparticles.
Research group:	http://www.sicris.si/public/jqm/prj.aspx?lang=eng&opdescr=prjSearch&opt=2&subopt=402&code1=prj&code2=nameadvanced&psize=10&hits=1&page=1&count=&id=12558&slng=&search_term=name%3dL2-8190+and+sci%3d+and+fil%3d+and+sub%3d+and+duration%3d0+and+prj_type%3d&order_by=
Project activities:	<pre> graph TD WP1[WP1 SYNTHESIS OF UV SENSING NANOPARTICLES] --> WP2[WP2 PREPARATION OF UV SENSITIVE PA FIBRES] WP1 --> WP3[WP3 SCALE UP PRODUCTION PROCESS OF UV SENSING NANOPARTICLES] WP2 --> WP3 WP3 --- WP4[WP4 NANOSAFETY] WP4 --- WP5[WP5 LCA] WP7[WP7 PROJECT MANAGEMENT] WP6[WP6 DISSEMINATION] </pre>
Reference	http://www.sicris.si/public/jqm/prj.aspx?lang=eng&opdescr=prjSearch&opt=2&subopt=400&code1=prj&code2=nameadvanced&psize=10&hits=1&page=1&count=&search_term=name=L2-8190%20and%20sci=%20and%20fil=%20and%20sub=%20and%20duration=0%20and%20prj_type=&id=12558&slng=&order_by=

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