

**MANIFESTAZIONE DI INTERESSE
CL.USTER A.GRIFOOD NA.ZIONALE (CL.A.N.)**

PROPOSTA DI IDEA PROGETTUALE

(le informazioni di seguito fornite non sono soggette a vincoli di confidenzialità e possono essere utilizzate ai fini di cui al bando CL.A.N.)

Contact Person:	
Name	Susanna Larocca
Organization	SO.G.I.S. Industria Chimica SpA
Address	Via Giuseppina, 132 – 26048 Sospiro (Cremona)
Telephone	0039 0372 622 208
e-mail	larocca@sogis.com
Project information	
Project Topic/Title	Sustainability: Study aimed at designing a model biorefinery in Pianura Padana, respecting the current area structure, and looking for alternative methods to produce building blocks from renewable sources for a number of downstream industrial sectors
<p>Project idea, objectives</p> <p>Pianura Padana is a peculiar case in Italy, as it owns the most fertile land in the State and it is featured by intensive cultivations, high yields per hectare, big farms, many breeding plants, many biogas plants. It is not possible to destroy the current economic structure in order to convert completely productions into crops destined to chemistry and energy, but it is possible to diversify and rationalize them in order to add value in the value chain for agricultural products, enhance the quality of land and promote sustainability. To reach these targets, it is essential that:</p> <ul style="list-style-type: none"> - Biodiversity is maintained, through diversification of crops - Cultivations rotation is promoted - A big flexibility in raw materials use is adopted - The farmer has to participate to the first step of industrial production - All products and by products are separated - The food and feed production has to remain a priority - High value components of plants (cosmetic and 	<p>Research steps are as follows:</p> <ul style="list-style-type: none"> - Study of the vegetable species more suitable for Pianura Padana, even considering non GMO modification to enhance production of certain substances. The study has to be focused on high yields in oils - Trials on the land - Study of the best suitable fibers thermo-mechanical and biochemical disruption of the plant cell wall, and successive separation methods for every vegetable species, in order to obtain oils, starch, cellulosic material and high value components - Economical and social study of the impact <p>Oils and fats, within the renewable feedstock, are the most suitable molecules to obtain chemical substances. After having selected the most suitable vegetable raw materials, studies to obtain building blocks for plastic industry, polymer industry, biodegradable lubricants industry</p>

**MANIFESTAZIONE DI INTERESSE
CL.USTER A.GRIFOOD NA.ZIONALE (CL.A.N.)**

PROPOSTA DI IDEA PROGETTUALE

(le informazioni di seguito fornite non sono soggette a vincoli di confidenzialità e possono essere utilizzate ai fini di cui al bando CL.A.N.)

<p>pharmaceutical market) are separated</p> <ul style="list-style-type: none"> - The by products for which it is not possible to find any use are diverted towards the biogas plants and the digestion residues is used as fertilizer 	
<p>Expected results</p> <p>A project for a model biorefinery, to be implemented in Pianura Padana.</p>	
<p>Partners description Type = Large company The Proposer is looking for a Coordinator:</p>	
<p>Partner 1</p>	<p align="center">YES x NO</p> <p>Archimede Ricerche Srl</p>
<p>Partner 2</p>	<p>Spiga Nord</p>
<p>Partner 3</p>	<p>Biological care</p>
<p>Partner 4</p>	<p>Others to be confirmed, in oleochemical, pharmaceutical, cosmetic, crushing and plant designing industry</p>
<p>Project budget</p>	
<p>Estimated Total Cost</p>	<p>2 millions</p>

MANIFESTAZIONE DI INTERESSE
CL.USTER A.GRIFOOD NA.ZIONALE (CL.A.N.)
PROPOSTA DI IDEA PROGETTUALE

(le informazioni di seguito fornite non sono soggette a vincoli di confidenzialità e possono essere utilizzate ai fini di cui al bando CL.A.N.)