

### NEEDS ENTRY FORM - WIPO GREEN

#### Need

\* Mandatory

<b>Title *</b>	Water decrease in shallow wells
<b>Description of the problem *</b>	After years of drought water supply for irrigation in Chile has diminished dramatically and vineyards have to resolve to diverse solutions to cope with the problem, the bigger ones can reduce production and leave land on hold until conditions improve. However, smaller operations have to resolve to local solutions, either because they have no alternative areas or because their products require a specific terroir that gives the wine valuable and non-reproducible characteristics.
<b>Further details</b>	<p>In coastal areas, where Viña Casa Marín operates, the decreasing rains have produced an intrusion of saltwater into the wells, owing to the descending level of the water table, thus deteriorating the quality of the waters for irrigation. The described phenomenon is especially acute near populated places due to the competition for freshwater.</p> <p>The problem mentioned above is becoming worse every year, especially after last season. It is expected that this coming season will be very critical. The 2019 season had a 38% drop in production due to drought. Wells have been deepened to no avail, under some depth saline water (from the ocean) intrudes into the wells, therefore desalinate seawater is a potential solution. Additionally, the area presents high energy prices and high solar radiation; thus, use of solar energy is a potentially sound solution.</p>
<b>Technological area (irrigation, fertilizer, weeding, soil erosion etc.)</b>	
<b>Estimated project value</b>	
<i>Please specify in US\$ and units/year. For example: 5 MW Solar PV plant, tons of waste per sq. m, etc.</i>	
<b>Geographical location*</b>	Chile
<b>Additional information on place / region</b>	
<i>Please specify in US\$ and units/year. For example: 5 MW Solar PV plant, tons of waste per sq. m, etc.</i>	
<b>Idea for solution</b>	

### Relevant factors

<b>Previous attempts to solve the problem</b>	<p><i>Provide examples of what has worked and what has not worked. List some of the challenges and successes in attempting to solve the problem. Maximum 4000 characters</i></p>
<b>Existing technical, financial or other relevant support</b>	<p><i>Financial and technical resources being leveraged from companies, government, etc., OR which could potentially be leveraged in the location where you need the technology. Does the project involve any sort of potential joint venture / collaboration? Maximum 2000 characters</i></p>
<b>Existing physical infrastructure and limitations</b>	<p><b>Financial</b></p> <p><i>Describe existing physical and service-related infrastructure, and its limitations (for example: terrain, transport, electricity, financial) Maximum 4000 characters</i></p>
<b>Regulatory aspects</b>	<p><i>Describe existing regulations and their limitations, applicable procedures, etc. Maximum 4000 characters</i></p>
<b>Other limitations</b>	

### Support Needed

#### What type of technology transfer are you looking for?\*

Licensing	
Buying products	
Project development	Yes
Technical assistance	Yes
Consultancy	
Other (Please Specify)	

**Do you require any of the following financial aid?**

Loan	Yes
Equity	
Grant	
Guarantee	
Bonds	
Venture capital	
Carbon credit	
Other (Please Specify)	

**Do you need support in Intellectual Property?**

Patent drafting	
Negotiating license agreements	
IP management training	

**Contact Information**

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Image (photos, drawings, diagrams, others)



Casa Marin Winery



Casa Marin vineyards, water decrease in shallow wells