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## TEMPLATE OF CROSS-LITERATURE REVIEW RESULTS

### *beFORE - Becoming-Oriented Entrepreneurs in universities and companies*

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for top publications presenting core foresight and entrepreneurial competences excluding domestic publication  
Analysis of at least 10 publications

**We would like to direct your attention that filling the last page in this questionnaire is obligatory**

**Guidelines:** The aim of this template is to identify core foresight and innovation/entrepreneurship competences in relation to knowledge, skills and social competences that a future-oriented manager should possess. The source of data for the analysis are key books in the field and the other printed works on foresight and entrepreneurship (even popular-scientific studies), as well as peer review articles coming from leading journals such as *Technological Forecasting and Social Change*, *Futures*, *Long Range Planning*, to name but a few. Each partner involved in the task (universities) is free to select at least ten articles/books on the subject matter. The partners are also free to add any relevant articles/books. In the first place, we suggest to work on the publications which deal with the convergence among futures studies, entrepreneurship and innovation. In case of difficulty with the identification of core foresight and innovation/entrepreneurship competences in these sources, we suggest to work on the articles/books from three fields of expertise (namely foresight, entrepreneurship and innovation) separately.

<b>The authors with affiliations</b>	Fa-Chung Chiu, Department of Psychology and Social Work, National Defense University, Taipei 112, Taiwan, ROC
<b>Title of the publication</b>	Fit between future thinking and future orientation on creative imagination
<b>Journal title*</b>	Thinking Skills and Creativity
<b>Number of journal*/year of publication/pages</b>	7 (2012) 234– 244
<b>Database of the scientific article’s retrieval*</b>	<a href="http://dx.doi.org/10.1016/j.tsc.2012.05.002">http://dx.doi.org/10.1016/j.tsc.2012.05.002</a>
<b>Keywords (or phrases) by which the publication was identified</b>	Thinking, creativity
<b>Main keywords/phrases of the publication</b>	Creative thinking, Creative imagination, Future thinking, Future orientation
<b>Core foresight and entrepreneurial competences</b>	<ol style="list-style-type: none"> <li>1. behavioral flexibility</li> <li>2. construct mental representations of possible futures</li> <li>3. creative thinking also abstraction</li> </ol>
<b>Convergence among futures studies and entrepreneurship</b>	increasing the temporal distance of future thinking enhances abstract thinking and therefore the performance of creative thinking. (pg 241)
<b>Convergence among futures studies and innovation</b>	
<b>Convergence among futures studies and entrepreneurship and innovation</b>	future thinking and orientation will enhance the performance in creative thinking.
<b>Main highlights of the article (in bullets, up to 2500 characters including spaces)</b>	<p>Two empirical studies on how the difference in temporal distance may result in a higher creative performance. In both studies students were undergraduates majoring in business administration at Fu-Jen Catholic University in Taiwan. In the first one with 83 students, they were separated into three groups. Each group was asked to think of their life in either 50 years, 5 years or at present day. In a second phase they all had to fulfill the same creative thinking tasks.</p> <p>In the second study 77 students were first tested upon their future orientation (using 13 items of the “The Zimbardo Time Perspective Inventory” pg. 239). “ ...future thinking is a temporal state when an individual thinking about his/her future life vs. future orientation is the extent of how much an individual owns the stable trait of future temporal thinking. (pg. 236) All were then asked to write about a global situation in 50-, 5-year and present day. The creative thinking tasks were the same in the previous study.</p> <p>The results showed, that the increase in temporal distance enhances creative thinking. And the higher the future orientation the better the participants performed in imagining a future 50 years from present. “It suggests that when</p>



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	<p>participants' future thinking and future orientation are in congruence, their performance in creative thinking will be improved." (pg 241) A lower the future orientation showed a tendency towards practicality. Both hypothesis: "Hypoth1) increasing the temporal distance of future thinking will keep improving the performance of creative thinking" and "Hypoth2) the fit between future thinking traits and the situation can improve one's performance in creative thinking." according to the authors were validated.</p>
<b>Other observations or comments</b>	<p>the study cannot be seen as representative a) because the number of participants is too low b) they all studied at the same University and in the same field</p> <p>But the findings in the light of educating entrepreneurs in Futures Literacy (FL) could be used to test if the results hold true for other students with different backgrounds. And upon these assumptions can creative thinking also enhance future thinking i.e. FL?</p>

\*Fill the following fields for the articles exclusively