**Section IV.1.- Development Plan**

**IV.1.1.Essential Elements of the Development Plan** (maximum length: 3 pages)

Refer to the mission and the main short-, medium- and long-term objectives of the Center. Explain the fundamental strategic guidelines for the Center’s Development Plan to be successful, and identify the main strengths of the proposal and the team that will work on it.

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## IV.1.2. Research (maximum length: 3 pages)

Describe the research lines to be developed within the Center. Explain the problems or questions that motivate the research being done and/or the research that will be carried out. Refer to the specific actions and the implementation process in order to accomplish the goal(s), indicating in what ways they complement and strengthen each other.

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**IV.1.3. Challenges of the Research Program** (maximum length: 2 pages)

Explain what factors of your proposal could place the Center at the frontier of scientific research at an international level.

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**IV.1.4. Research groups** (maximum length:2 pages)

Indicate the existing research groups at the Center and how will they link with the proposed research lines and objectives of the Development Plan.

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**IV.1.5. Training, formation and attraction of new researchers’ strategy** (maximum length: 3 pages)

Describe the strategy and actions relevant for developing a new critical mass for the disciplines and scientific subjects covered by the research lines of the Center. Explain how these will be performed within the Development Plan and who will participate in terms of staff and external collaboration (national and international) and/or alliances. Indicate here whether new researchers incorporation is planned and their summarized profile.

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**IV.1.6. Support for other research groups** (maximum length: 1 page)

Explain how the Center will help to develop research excellence and increase critical mass in other national research teams. Include some of the activities planned for this purpose.

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## IV.1.7. Expected Impact on the Economic and Social Development of Chile (maximum length: 2 pages)

Refer to the specific strategy the Center intends to implement (or is currently implementing) in order to contribute to the economic and/or social development of Chile. Identify the key factors of both, the research group and the proposed Development Plan, which will allow that such strategy will be successful. Quantify the approximate expected impact of the Center’s activity, indicating, if possible, those aspects such as potential demand for the Center’s services and extensions derived from the implementation of the proposed Development Plan.

Describe the short-, medium- and long-term impact that the results of the research carried out by the Center will have on the Chilean society and economy, and the strategy and actions that it will implement so that this occurs.

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**IV.1.8. Areas of Development and Expected Impact**

In this section the expected impact of the execution of the Development Plan plus the baseline productivity of the group must be specified.

The assumption is that the additional resources of Basal Funds will contribute to a raise in the average of any of the indicators.

The list of indicators will help to monitor the Development Plans and will be used to evaluate the progress, together with other factors, of the former.

**Other indicators considered relevant for the Development Plan applied may be added to the following tables.**

In case that some of the indicators presented do not apply, state NA.

**IV.1.8.1. Indicators of Scientific Excellence**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | | **Projected Total with Funding from this Contest plus other Sources** | | | | |
| **INDICATORS** | **BASELINE**  (average of last 3 years) | **YEAR 1** | **YEAR 2** | **YEAR 3** | **YEAR 4** | **YEAR 5** |
| Baseline+Year 1 Incremental production | Baseline+Year 2 Incremental production | Baseline+Year 3 Incremental production | Baseline+Year 4 Incremental production | Baseline+Year 5 Incremental production |
| Number of ISI publications |  |  |  |  |  |  |
| Number of non-ISI publications |  |  |  |  |  |  |
| Number of citations in ISI journals |  |  |  |  |  |  |
| Average annual impact of the journals that publish articles by the Center’s researchers |  |  |  |  |  |  |
| Other indicators (Insert rows, indicating names of the Indicators) |  |  |  |  |  |  |

Note: If you need to explain any of the indicators or figures listed, please do so in the following space (maximum length: 1 page)

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**IV.1.8.2. Indicators of Human Capital Training**

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| --- | --- | --- | --- | --- | --- | --- |
|  | | **Projected Total with Funding from this Contest plus other Sources** | | | | |
| **INDICATORS** | **BASELINE**  (average of last 3 years) | **YEAR 1** | **YEAR 2** | **YEAR 3** | **YEAR 4** | **YEAR 5** |
| Baseline+Year 1 Incremental production | Baseline+Year 2 Incremental production | Baseline+Year 3 Incremental production | Baseline+Year 4 Incremental production | Baseline+Year 5 Incremental production |
| Number of Undergraduate theses finished |  |  |  |  |  |  |
| Number of Master theses finished |  |  |  |  |  |  |
| Number of PhD theses finished |  |  |  |  |  |  |
| Number of Post-Doctorates working at the Center[[1]](#footnote-2) |  |  |  |  |  |  |
| Number of visiting researchers |  |  |  |  |  |  |
| Other indicators (Insert rows, indicating names of the Indicators) |  |  |  |  |  |  |

Note: If you need to explain any of the indicators or figures listed, please do so in the following space (maximum length: 1 page)

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**IV.1.8.3. Indicators of Technology Transfer and Linkage with Other Sectors of Chilean Economy and Society**

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|  | | **Projected Total with Funding from this Contest plus other Sources** | | | | |
| **INDICATORS** | **BASELINE**  (average of last 3 years) | **YEAR 1** | **YEAR 2** | **YEAR 3** | **YEAR 4** | **YEAR 5** |
| Baseline+Year 1 Incremental production | Baseline+Year 2 Incremental production | Baseline+Year 3 Incremental production | Baseline+Year 4 Incremental production | Baseline+Year 5 Incremental production |
| Number of patents applied for |  |  |  |  |  |  |
| Number of patents granted |  |  |  |  |  |  |
| Number of licenses and/or technological transfer agreements applied for or granted |  |  |  |  |  |  |
| Number of spin-offs derived from the Center |  |  |  |  |  |  |
| Number of PhDs and Post-Doctorates inserted into the industry |  |  |  |  |  |  |
| Number of activities of participation in the definition of public policies (advisory councils, consultation committees) |  |  |  |  |  |  |
| Percentage of Center’s income financed by commercial enterprises (may include non-monetary contribution) |  |  |  |  |  |  |
| Percentage of Center’s income financed by other private sources (may include non-monetary contribution) |  |  |  |  |  |  |
| Number of projects developed and carried out by enterprises or internationally co-financed |  |  |  |  |  |  |

Note: If you need to explain any of the indicators or figures listed, please do so in the next page (maximum length: 1 page).

**IV.1.8.4. Indicators of Support to Other Research Groups**

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|  | | **Projected Total with Funding from this Contest plus other Sources** | | | | |
| **INDICATORS** | **BASELINE**  (average of last 3 years) | **YEAR 1** | **YEAR 2** | **YEAR 3** | **YEAR 4** | **YEAR 5** |
| Baseline+Year 1 Incremental production | Baseline+Year 2 Incremental production | Baseline+Year 3 Incremental production | Baseline+Year 4 Incremental production | Baseline+Year 5 Incremental production |
| Percentage of ISI publications written in co-authorship with national researchers from other institutions |  |  |  |  |  |  |
| Percentage of theses co-directed with national researchers from other institutions |  |  |  |  |  |  |
| Percentage of usage of the equipment available to external researchers |  |  |  |  |  |  |
| Participation in projects led by other research teams |  |  |  |  |  |  |

Note: If you need to explain any of the indicators or figures listed, please do so in the next page (maximum length: 1 page).

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**IV.1.8.5. Indicators of National/International Networks**

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| --- | --- | --- | --- | --- | --- | --- |
|  | | **Projected Total with Funding from this Contest plus other Sources** | | | | |
| **INDICATORS (As examples)** | **BASELINE**  (average of last 3 years) | **YEAR 1** | **YEAR 2** | **YEAR 3** | **YEAR 4** | **YEAR 5** |
| Baseline+Year 1 Incremental production | Baseline+Year 2 Incremental production | Baseline+Year 3 Incremental production | Baseline+Year 4 Incremental production | Baseline+Year 5 Incremental production |
| Number of stays and visits of students and researchers from other centers or projects |  |  |  |  |  |  |
| Number of stays and visits of students and researchers of the center to other institutions (participation in workshops and schools are not considered) |  |  |  |  |  |  |
| Number of international agreements for exchange with foreign institutions |  |  |  |  |  |  |
| Number of ISI publications co-authored with international researchers (from other institutions) |  |  |  |  |  |  |
| Number of theses co-tutored with international researchers (from other institutions) |  |  |  |  |  |  |

Note: If you need to explain any of the indicators or figures listed, please do so in the next page (maximum length: 1 page)

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**IV.1.8.6. Indicators of Activities of Dissemination and Outreach to Other Sectors of Chilean Society**

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| --- | --- | --- | --- | --- | --- | --- |
|  | | **Projected Total with Funding from this Contest plus other Sources** | | | | |
| **INDICATORS** | **BASELINE**  (average of last 3 years) | **YEAR 1** | **YEAR 2** | **YEAR 3** | **YEAR 4** | **YEAR 5** |
| Baseline+Year 1 Incremental production | Baseline+Year 2 Incremental production | Baseline+Year 3 Incremental production | Baseline+Year 4 Incremental production | Baseline+Year 5 Incremental production |
| Number of outreach or extension activities |  |  |  |  |  |  |
| Total number of people attending at dissemination and/or outreach activities (workshops, talks, seminars) |  |  |  |  |  |  |
| Other indicators (Insert rows, indicating names of the Indicators) |  |  |  |  |  |  |

Note: If you need to explain any of the indicators or figures listed, please do so in the next page (maximum length: 1 page).

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**IV.1.9. Work Plan**

Use a Gantt Chart to describe the main activities and benchmarks for each Research Line as well as for collaborative activities of the Center. Repeat the chart as needed.

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| --- | --- | --- | --- | --- | --- |
| *Name of the Research Line* | | | | | |
| Activities / Benchmarks | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
|  |  |  |  |  |  |
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| --- | --- | --- | --- | --- | --- |
| *Collaborative Activities* | | | | | |
| Activities / Benchmarks | Year 1 | Year 2 | Year 3 | Year 4 | Year 5 |
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**IV.1.10. Organizational Structure of the Center’s Staff**(maximum length: 1 page).

Describe the organization of the Center indicating: positions (names if available) of all participants (Director, Manager, Coordinators, Principal Researchers, etc.). Modify the chart according to the reality of the Center.

**IV.1.11.1. Governance and Administration of the Center**

(maximum length: 1 page)

Refer to the organizational structure of the Center, this time indicating the main groups of interest and entities (universities, foundations or other), which will participate in the decision-making processes and strategic planning of the Center, and the specific way in which these processes will be structured (board of directors, advisory councils or other). Briefly explain the administrative structure of the Center.

1. Just in the case of existing Centers. [↑](#footnote-ref-2)