2021 Presidential Hackathon Handbook

SUPERVISOR

Presidential Office

ORGANIZER

Executive Yuan

CO-ORGANIZER

Board of Science and Technology

SUPPORTING ORGANIZER

National Development Council

DATA-SUPPORTING ORGANIZER

Judicial Yuan, Legislative Yuan, Examination Yuan, Ministry of Interior, Ministry of Culture, Ministry of Transportation and Communications, Council of Agriculture, Environmental Protection Administration, Ministry of Science and Technology, Ministry of Finance, National Palace Museum, Ministry of Education, Ministry of Economic Affairs, Ministry of Health and Welfare

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1.Introduction

      Since 2018, the Presidential Hackathon has been held in the form of a competition to encourage the use of open-source data by public-private partnerships, implement government innovations and promote the well-being of the people. In 2018 and 2019, the event focused on the themes of social innovation and smart nation respectively, each attracting over 100 joint proposals. In order to strengthen international cooperation, an international track was included in 2019 to emphasize the hacker spirit of collaboration and sharing so that participants from all over the world can interact with each other, come up with solutions to pressing global challenges and achieve global sustainability with innovation.

2. Objective

Presidential Hackathon is an initiative designed for the Taiwanese government to demonstrate its emphasis on open-source data and innovative data utilization to address the needs of national development. The event aims to facilitate exchanges among data owners, data scientists and field experts to assemble the wisdom of crowds across government, industry and private and public sectors. Ultimately, it strives to accelerate the optimization of public services and encourage proactive innovation from public servants to achieve the upgrade of government services with the help of hacker culture, promote the well-being of the people and create global partnerships.

3. Proposal

➲Proposal Requirements/Unit(s)

(1) Applicant(s) can submit the application form individually or on behalf of the government agency/department for which he/she works.

(2) Applicant(s) not from any government agency/department must provide a detailed proposal with a related topic, of <u>**no more than ten people**</u>, and create a contact window.

(3) In order to encourage public-private collaboration, the event executer provides matchmaking service for teams.

➲ Proposal Restrictions

The proposal submitted shall be a project that has not been carried out or participated in any tender. There shall be no governmental fund received for the proposal. The same applies to a phased plan.
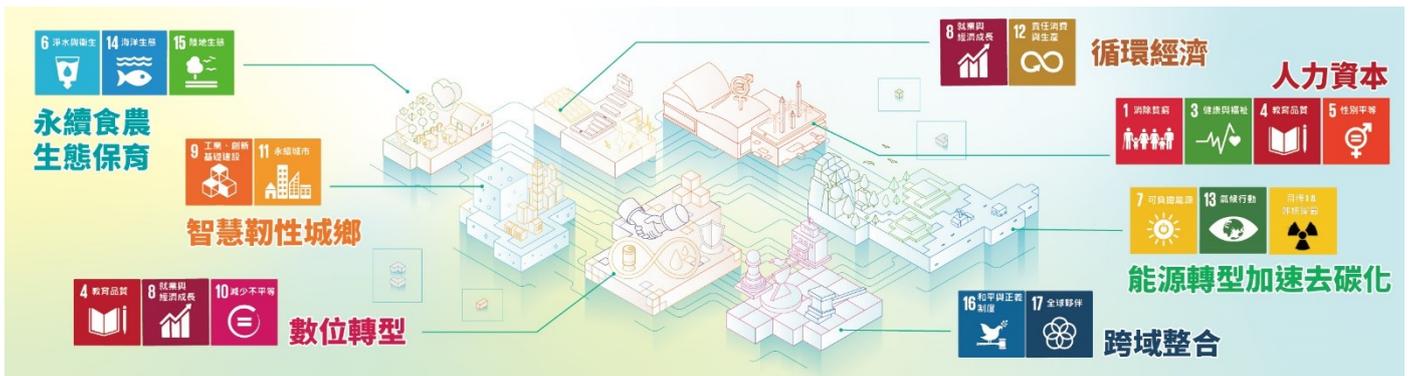
4. Rewards

➢ **A participation award visual design gift will be given to every team.**

➢ **A limited-edition Presidential Hackathon T-shirt will be given to every member of 20 teams selected in the first round.**

➢ **A limited-edition Presidential Hackathon Exquisite gift will be given to every member of 10 teams selected in the second round.**

➢ **5 teams selected in the final round will be personally awarded by the President with a trophy and each member will an individual trophy.**

5. 2021 Topic Selection

The outbreak of the pandemic last year resulted in interruptions of transport flow of people and goods and each country became aware of "resilience." To resist systematical risks in the economy, society, and environment is more important than "efficiency," which is what we used to pursue. Like other countries around the world, Taiwan also faces challenges of an aging population, extreme climate change, and the rapid emergence of AI and 5G technologies.

Hence, this year (2021), under the theme of "Sustainability 2.0 Resilient Island," you are invited to utilize Taiwan's digital competitiveness from the perspective of national sustainable development through the private and public partnership to participate in this hackathon challenges in issues including "Human Capital," "Circular Economy," "Energy Transformation and Decarbonization," "Sustainable Food, Agriculture, and Ecological Conservation," "Smart Resilient Cities and Counties," "Digital Transformation," to discover solutions and to work hand in hand to build Taiwan into a resilient island.

6. Submission

6-1 Open from Monday, March 14 to Friday, July 16, 22:00 to Fri.

6-2 To submit your proposal, please go to: https://presidential-hackathon.taiwan.gov.tw

➲ Selection Process

A. Each proposal will be reviewed by the selection committee who will recommend a shortlist with specific reasons.

B. Timeline:

- **First-round Selection: from Friday, July 19~ July 30; a shortlist of 20 will be announced on July 31.**

- **Second-round Selection: the middle of October; a shortlist of 10 will be announced on the same day**

- **Final-round Selection: the middle of November, 5 winners will be announced on the same day.**

C. Criteria:

- **First-round Selection: 20 teams will be selected at this stage; innovation, feasibility, and social impact& citizen participation score points are weighed in the ratio of 30%: 40%: 30%. (Score points of judges and citizens are weighed in the ratio of 70%**

and 30%, respectively.)

Note: citizens' quadratic voting period (one week)

**Bonus:

(1) Joint proposals across national or local governmental up to 10% bonus points. *vs**

(2) Joint proposals across ministry and department up to 5% bonus points.

(3) Proposals responding to Citizen's Wishing Fountain up to 10% bonus points.

*Definition of "Cross-national": Joint proposals between a foreign government and Taiwan government. (G2G)

** Definition of Cross Local Governments: Joint proposal between the central and local government and governments in different cities/counties and not applicable to a joint proposal between different agencies in the same city/county.

⟳ Intellectual Property Rights Statement

1. The intellectual property rights of the short-listed proposals belong to the participating team (herein referred as the "teams").

2. The teams guarantee that the information provided, including but not limited to the proposal, graphics, presentation, audio, video, and other materials, does not infringe intellectual property rights and other rights of others, or violate laws and regulations.

3. The participating teams that enter the first round agree that graphics, presentation, photos, audio, video, and other materials provided to this competition (including but not limited to names and photos of team members but excluding programs, software, and systems developed for the competition) shall be licensed as the whole without charge to the organizer or co-organizer to use without limited to area, time, frequency in a non-profit making manner (including but not limited to print, display, promotion, report, publication or publicizing) or to re-license to the use of the third party. The said teams agree that the organizer shall have the right to modify, reproduce, or edit their work and use all rights granted to the owner of IPRs on marketing media according to other copyright laws. The organizer will not give additional notice to the participating teams. If there is no involvement in a slander of moral rights, participating teams and their members shall agree not to exercise their moral rights.

4. Participating teams shall agree to license the organizer or the co-organizer free of charge for using photos, films or relevant photos or dynamic images provided by them during the

competition for the purposes of documentation, promotion, and marketing this competition or relevant events and the organizer or the co-organizer shall have the right to present the said photos or dynamic images in any format.

5. After proposals enter the first round and are announced by the organizer, discussions on proposals and transfer or licensing of derived IPRs can begin. Their teams shall enjoy the priority right to negotiate for cooperation. 。

7.Important Deadlines

Time (Temporary)	Event
15:30-17:00, Wednesday, April 7	Hacker Gathering, I
10:00-11:00, Friday, April 16	Online Press Conference of Citizen's Wishing Fountain
4/16(Friday)~5/21(Friday)	Citizens' Wishing Period
5/14(五)~7/16(五)	Online Application Submission Period.
the middle of July	Public Voting and Judge Rating.
late July	Announcement of Teams that Enter the First Round
early September	Workshops and Training Sessions for Selected Teams.
the middle of October	Workshops and Second-round Selection.
the middle of October	Demo Given
the middle of November	Final-round Selection.
旬 the middle of November	Hacker Gathering, II
early December	Winner Demo and Award Ceremony.

The organizer reserves the right to change the program and time.

Appendix 1 ▶▶Guidelines for the Implementation of Presidential Hackathon

I   Presidential Hackathon is an initiative designed for the Taiwanese government to demonstrate its emphasis on open-source data and innovative data utilization to address the needs of national development. The event aims to facilitate exchanges among data owners, data scientists and field experts to assemble the wisdom of crowds across government, industry and private and public sectors. Ultimately, it strives to accelerate the optimization of public services and encourage proactive innovation from public servants to achieve the upgrade of government services with the help of hacker culture, promote the well-being of the people and create global partnerships. The Guidelines were developed to this end.

II. To organize the consultation, coordination and selection of the Presidential Hackathon, the Executive Yuan has convened the Presidential Hackathon Committee （hereafter "Committee"）which comprises and operates as follows:1. he13 members, among which one convenor, served by the Premier or Vice Premier; one vice convenor, served by the Deputy Secretary-General to the President; one executive director, served by a Minister without Portfolio appointed by the convenor; one executive secretary, served by the Executive Secretary of the Office of Science and Technology, Executive Yuan; one deputy executive secretary, served by an executive in charge of government open-source data in the National Development Council. The convenor, vice convenor, executive director, executive secretary and deputy executive secretary are ex-officio members and the others

are outstanding professionals invited by the President.

2. The membersof the Committee willserve a two-year term without renumerationand will be eligible for renewal of membership upon expiration of each term; exceptions will be made in cases of an ex-officio member whose membership comes with his/herprofessional appointment, where the term follows accordingly. Changes in the professional appointment of a non-permanent member will not obligate him or her to abbreviate the term. If a Committee member resigns or departs for any reason, a new Committee member will be appointed in accordance with the stipulations above to serve out the remaining term of the vacating member.

3. The Committee is convened on an as-needed basis by the convenorship serves as the chair; should the conformists himself/herself in a position that he/shies unable to be present at a certain meeting, the vice convenor should be his/her proxy; should the vice convenor finds himself/herself in a position that he/she is unable to be present at a certain meeting, he/she should designate another member of the Committee as his/her proxy. Should a member find himself/herself in a position that he/shies unable to be present at a certain meeting, he/she should designate another member or a designee from the same agency or organization in writing as his/her proxy, with all the rights and privileges to represent him or her during the discussion and disposition of all agenda items as well as any unscheduled business that night ensue.

4. All meetings must have at least two-thirds of the members present to satisfy the quorum; any resolution must be approved by at least one-half of the members in attendance.

III.The selection process is as follows:

1. To implement the selection process, as election committee of thirteen to fifteen members will be formed. A Minister without Portfolio appointed by the Executive Yuan will serve as the convenor; the other members will be appointed by the Committee; at least one-third of the members must be of either sex. The convenor will serve as the chair of the selection committee; should the conformists himself/herself in a position that he/sheis unable to be present at a certain meeting, he/she should designate another member as his/her proxy.

2. Selection Procedure:

(1) Requirements: applicant(s) can submit the application form individually or on behalf of the government agency/department for which he/she works; applicant(s) not from any government agency/department must provide a detailed proposal with a related topics a team

(2) Application: teams must complete their applications on the official website https://presidential-hackathon.taiwan.gov.twbefore the deadline; details are released on the official website.

(3) Each proposal will be reviewed by the selection committee who will recommend a shortlist with specific reasons

(4) The level of innovation, feasibility, and social impact should be reviewed as criteria for selection.

(5) The Committee and selection committee will make the final selection of the winners in a joint meeting based on the shortlist proposed by the selection committee.

(6) Joint meetings are convened and chaired by the convener the Committee; should the convenor finds himself/herself in a position that he/she is unable to be present at a joint meeting, the vice convenor should be his/her proxy; should the vice convenor finds himself/herself in a position that he/she is unable to be present at a joint meeting, he/she should designate another member of the Committee as his/her proxy. Should the convenor of the selection committee find himself/herself in a position that he/she is unable to be present at a joint meeting, he/she should designate another member of the selection committee in writing as his/her proxy; Except for the convenor of the selection committee, no other member may designate a substitute to attend on his/her behalf. If during a joint meeting, a committee member must leave prematurely for cause, he/she must forfeit his/her right to vote. He/she will not be allowed to designate a proxy in attendance to exercise his/her voting right.

(7) During a joint meeting, the convenor of the advisory committee may be present for consultation.

(8) All meetings of the selection committee and joint meetings must have at least two-thirds of the members present to satisfy the quorum; any resolution must be approved by at least one-half of the members in attendance.

(9) When no appropriate candidate has been identified, an award will not be made.

IV. Presidential Hackathon will be organized once per year. The number of winners and awarding of prizes will be determined separately by the Committee.

V. Advising Procedure:

1. To implement the advising process for participating and winning teams, an advisory committee of thirteen to fifteen members will be formed. A Minister without Portfolio appointed by the Executive Yuan will serve as the convenor; the other members will bethose who are suitable candidates or former members of the winning teams appointed by the Committee.

2. Implementation:

(1) The advising process for participating teams will be implemented in the form of workshops by the advisory committee who will provide their data expert knowledge and assistance for proof of concept during the Presidential Hackathon.

(2) The advising process for winning teams will be implemented in the form of workshops or others by the advisory committee who will continue to provide their data expert consultation and assistance for proof of service or business after the Presidential Hackathon.

VI. Members of the Committee, selection committee and advisory committee must avoid situations of conflicts of interest and absent themselves from the meetings and deliberations when such conflicts emerge; a member of the Committee, selection committee and advisory committee is not eligible for participation in the competition during the term of office; a member of the Committee, selection committee and advisory committee who resigns for other reasons will remain ineligible for participation in the competition until the expiration of the

original term.

VII. The expense of the Presidential Hackathon should be arranged by a ministry appointed by the Executive Yuan in the annual budget.

承辦單位

國家發展委員會
NATIONAL DEVELOPMENT COUNCIL

執行單位

中華民國全國中小企業總會

財團法人資訊工業策進會
INSTITUTE FOR INFORMATION INDUSTRY

台灣經濟研究院
Taiwan Institute of Economic Research

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