

IMMEDIATE DISTRIBUTION



Habitat

Public Ideation Program

for the planning, construction and distribution
of habitable, transient, evolving and resilient
infrastructures and the evaluation of seed
societies in the transition to the New Generation

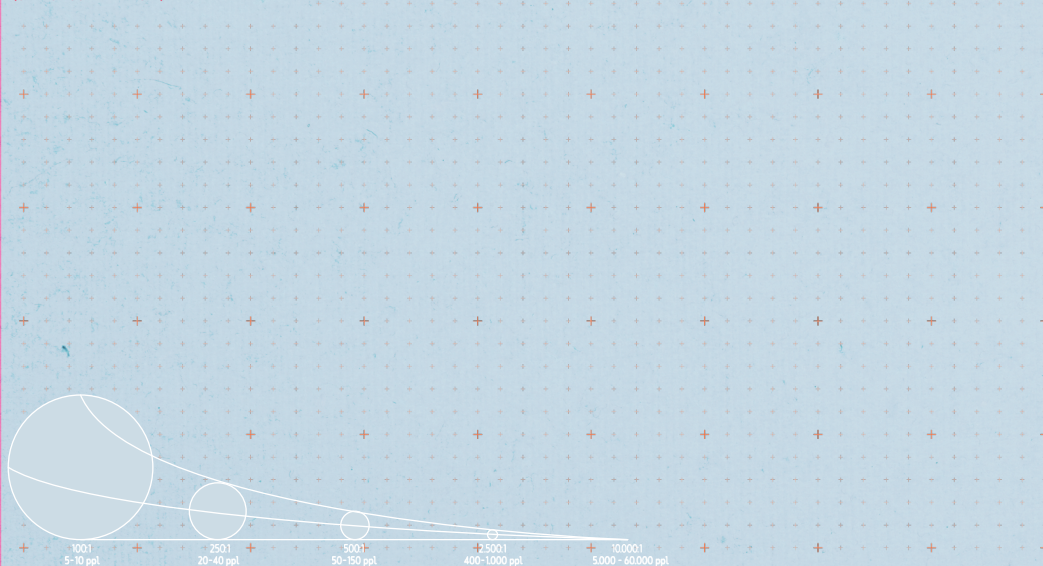


82 / 83

authored by the Directorate-General for Communication for the European Commission

Y - ARTISTIC RENDERING

(SELECT SCALE BELOW)



A - GOVERNANCE

A01 Denomination

A02 Max. population

A03 Model of governance (single)

- ☐ Representative Democracy
☐ Direct Democracy
☐ Expert Council
☐ Cyclical Autocracy
☐ Performative Consensus
☐ Communities of Practice
☐ Other

describe if Other:

A04 Social Separation



A041 Part of Fleet:

- ☐ Yes
☐ No

A042 Fleet Denomination (if yes):

B - ENERGY/POWER/PROPULSION

B01 Energy Source (multiple)

- ☐ Natural (underline: Solar, Wind, Tide)
☐ Fusion
☐ Atomic
☐ Fossil
☐ Other

describe if Other:

B02 Waste Disposal (multiple)

- ☐ In Habitat Recycling
☐ Out Of Habitat Recycling
☐ Mark and Dump req. w/atomic
☐ Burn
☐ Other

describe if Other:

B03 Structural Integrity (single)

- ☐ Exoskeletal
☐ Endoskeletal
☐ Powered

B04 Locomotion (multiple)

- ☐ Static/Pop-Up
☐ Tracked/Wheeled
☐ Floating
☐ Multipedal
☐ Active Flight
☐ Other

describe if Other:

B05 External Membrane (single)

- ☐ Passive Permeable
☐ Active Permeable
☐ Rigid
☐ Other

describe if Other:

B06 Env. Exposure Rating

to be filled out by case officer

- A (sealed, secured, hardened) B (sealable, securable) C (malleable)

C - INFRASTRUCTURE

C01 Space Distribution (fill in usage)

Governance Habitat Space

- Habitation
 Maintenance
 Communal
 Industrial
 Agricultural
 Systems
 Storage

C03 Mass (t)

C04 Length (m)

C05 Width (m)

C06 Height (m)

C07 Clearance (m)



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Directorate-General
for Communication

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D - COST

D01 Environmental Systems

to be filled out by case officer

A (foundry) B (forge) C (machining) D (recyclable)

rare earth energy alloys experts

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A01 Denomination

Name that your design is to be referred to. Please do not use numbers in your denomination, as a serial number will be added to your design for internal administrative purposes by your case officer.

A02 Max. population

Fill in the maximum permitted number of citizens on the habitat. This number should correspond to the selected scale in your artistic rendering in Y. Please allow for a margin of up to 10% to account for zoning and assignment processes.

A03 Model of governance (single)

Mark your envisioned governance model. Representative and Direct Democracy typically have a 4 year election cycle. Expert Council and Cyclical Autocracy typically have merit based inheritance cycling out individual administrators between 2 and 4 years. Facilitators in performative Consensus are typically selected continuously per issue in a weekly governing performance process, allowing for up to 4 simultaneous simulated effect performances. PLEASE ALLOW FOR EXTENDED COMMUNAL SPACES IN C01 WHEN SELECTING THIS MODEL. Communities of practice generally are non-cyclical commodity based moderated negotiations that typically reset their code of governance every 8 years. In case non of these models fits your vision, please select OTHER and use the space provided to describe your preferred governance model. If additional space is required, you are allowed to attach no more than 1 (one) additional page(s) to this form, marked as connected to A03 EXTENDED DESCRIPTION. Please use standard white thermaprint on blue paper when submitting.

A04 Social Separation

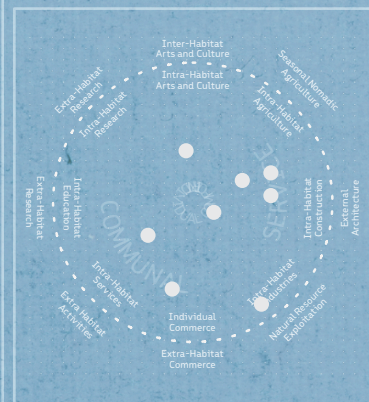
Draw 1 (one) circle for every 1/10th of a scale unit selected in Y in relation to its maximum citizen count into the provided diagram according to the envisioned citizen developmental specialization trajectory or use standardized 6mm marker dots. Alternatively, if more than 10 circles are to be placed, a blob shape may be sketched encompassing an approximation of the envisioned circle spread.

Description of Diagram Axis:

Closer to the center - activities and knowledges are applied to personal and strongly familiar communities within the habitat. For low citizen count numbers, this would indicate family or similar bond types. Outside the ring - activities and knowledges relate to extra-habitat and cross-habitat activities and excursions that usually also correlate with stronger institutionalisation within social clusters.

Examples:

A habitat uses a Y-scale of 250/1 with a maximum population of 20 citizens, allowing 8 circles to be placed in the diagram.



Both Habitats clearly focus on long term sustainability in sustenance, while the one on the right also actively engages in inter-habitat commerce and production of industrial goods.

A041 and A042 Fleet Relations

In case your Habitat is part of a fleet and travelling with other Habitats of similar or specialized design, please mark A041 appropriately and provide the Fleet denomination. Please note that fleet denominations should not contain numbers, as a serial number will be added to your design for internal administrative purposes by your case officer.

General Notes

Please use Block Lettering.

If selecting Other and additional space is required, you are allowed to attach no more than 1 (one) additional page(s) to this form, marked as connected to the letter and number signifier followed by ADDITIONAL INFORMATION (e.g. B01 ADDITIONAL INFORMATION). Please use standard white thermaprint on blue paper when submitting.

Please use metric units.

Unless otherwise stated, all measurements and weights exclude superfluous parts of the superstructure (e.g. antennae) and are net numbers.

B01 Energy Source

Select your Habitat's energy source, or select multiple. Impact of multi-selection MUST be reflected in space distribution (C) and resource cost (D).

B02 Waste Disposal

Select your Habitat's waste disposal policy, or select multiple. Impact of multi-selection MUST be reflected in space distribution (C) and resource cost (D).

B03 Structural Integrity

Select Exoskeletal if more than 50% of your Habitat's load bearing frame is exposed to the environment. Select Endoskeletal if 50% or less of your Habitat's load bearing frame exposed to the environment. Select Powered if your Habitat's frame is inflatable or otherwise dependent on power to keep its shape.

B04 Locomotion

Select the primary mode of ground traversal for your Habitat. Note that Static or Pop-Up Habitats need distinct differentiation in A04 from extra-Habitat agriculture or similar seasonal activities. Note that multipedal also encompasses centipedal locomotion systems.

B05 External Membrane

Select the qualities of your main environment facing shell aspect, excluding load bearing architecture. Note additional power and resource requirements for Active Permeable ventilation. Note additional power, maintenance and space requirements for rigid membrane ventilation.

E01 Biome Viability

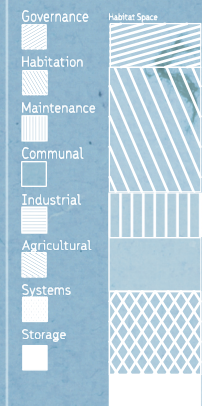
Indicate the range of environments in which it would be safe to deploy and operate your Habitat. Please refer to the official BIOME Map provided as part of this form and select the appropriate BIOME signifiers.

C01 Space Distribution

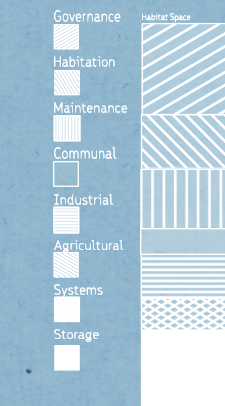
Fill in the provided blank space according to the proportional distribution of your Proposal's prioritization of space. Note that space required for systems shrinks with higher resource grade in D01. Note that space distribution is proportionate and thus irrespective of scale.

See below for examples:

A mainly residentially zoned Habitat - probably as part of a fleet of more specialized Habitats. Note the proportionately large amount of space reserved for systems signifying a low-level of complexity approach to maintenance.



This small 10 person Habitat is set up for limited personal comfort and highly sophisticated industrial machinery and systems. Its lack of agricultural space designations indicates either seasonal extra-Habitat farming, or non-nutrition specialization as part of a fleet.

**D01 Environmental Systems**

Indicate the range and grade of integrated systems used in production and procurement of ENVIRONMENTAL SYSTEMS for your Habitat. See below for examples:

Systems range from Foundry Grade to those needing specialized tools and machining.

Systems are mainly repurposed or ad-hoc created from found or discarded materials, but also contain specialized machined parts and limited automation.

**D02 Communication Systems**

Indicate the range and grade of integrated systems used in production of both INTERNAL and EXTERNAL communication systems for your Habitat. Note the impact on inter- and extra-Habitat commerce and other activities. See graph in D01 for examples.

D03 Personal Electronics

Indicate the range and grade of personal cultural, communication and entertainment devices, including tools for media creation available to citizens. See graph in D01 for examples.

D04 Industrial Machinery

Indicate the range and grade of fabrication equipment available to your Habitat. Note: the commission currently assesses RepRap machinery as Forge Grade (B). See graph in D01 for examples.



