

Diagnosis of Accessibility in Planetariums

We appreciate the time and dedication to answer this survey carried out by the Equity, Diversity and Inclusion Committee (EDI) of the International Planetarium Society (IPS), with the support of the Accessible Science Centers and Museums Group (MCCAC). The data collected here will be part of a database of the world context of planetariums. Your results will culminate in a publication that will be available for free download. If you do not want any data to be published, when answering the questions, put the information between the signs \$\$.

For the purposes of this research and the general study to which it belongs, it is understood by:

ACCESSIBILITY: "possibility and condition of reach for the use, with safety and autonomy, of spaces, furniture, urban equipment, buildings, transport, information and communication, including its systems and technologies, as well as other services and facilities open to the public, for public use or for private collective use, both in urban and rural areas, by persons with disabilities or with Reduced mobility."

AND PERSON WITH DISABILITIES: "one who has a long-term impairment of a physical, mental, intellectual or sensory nature, which, in interaction with one or more barriers, may hinder their full and effective participation in society on an equal basis with other people."

The first results of this study are expected to be announced at an IPS meeting and/or submitted for publication in the journal Planetarian.

IMPORTANT NOTES:

This quiz has 60 open-ended and multiple-choice questions. Please allow 30 minutes to fully respond.

The system does not save information from incomplete polls. Once you start taking the poll, you'll need to get to the end so you don't miss the information.

If you have any questions or technical problems regarding completing the questionnaire, you can contact us via email: gfmarranghello@gmail.com.

Appreciate,
IPS - EDI Committee

Data of the person responsible for filling

- 1) Full name:
- 2) Position/function held:
- 3) Email:

Planetarium data:

- 4) Planetarium Name: *

5) Initials:

6) Full address: *

7) City, State, Country: *

8) Phone(s): *

9) Email: *

10) If you have Facebook, Instagram, YouTube, Twitter or any other social media, what is the address?

11) Does the Planetarium have a website? *

☐ Yes

☐ No

☐ I don't know

12) What is the website address?

13) If yes, is the site accessible

☐ Yes

☐ No

☐ I don't know

13.1) If so, in what way?

☐ Contrast

☐ Different fonts

☐ Sign language

☐ In other languages

☐ Other

Operating days:

14) Opening time: *

15) Closing time: *

16) When did it open? *

17) Brief description of the Planetarium and its projector/dome/number of seats and collection/exhibitions/activities: *

(EXAMPLE) The Unipampa Planetarium has a Digitalis projector, an 8m diameter dome and 52 seats. It has a small exhibition area used for school visits.

18) If your planetarium is associated with a science center, check the corresponding option. *

☐ Aquarium

☐ Environmental Education Center ☐ Research Center

☐ Company

☐ Higher education institution ☐ Botanical garden

☐ Museum of Natural History or Anthropology

☐ Museum or Interactive Science/Science and Technology Center ☐ Itinerant Museum or Science Center/Mobile Science

- ☐ Astronomical Observatory
☐ Non-Governmental Organization (NGO)
☐ Zoo ☐ Other:

19) Is the Planetarium linked to any institution? *

- ☐ Yes
☐ No

20) If yes, which one(s)? Check the option that corresponds to the institution:

- ☐ Company
☐ Public research and/or higher education institution
☐ Private research and/or higher education institution
☐ Governmental Body (Secretaries, Ministries, Foundations, etc.)
☐ Non-Governmental Organization (NGO)
☐ Social organization
☐ City Hall
☐ other

21) Do you consider the Planetarium where you work accessible? *

- ☐ Yes, totally
☐ Yes, in parts ☐ No

22) Are you and/or the Planetarium staff aware of the accessibility rules for buildings, furniture, spaces and urban equipment

- ☐ Yes
☐ No
☐ I don't know how to inform Physical Accessibility of the place

23) Are the entrance and exit signs for accesses, restrooms and services clearly identified with large font with contrast, Braille signs and pictograms (visual signs)? *

- ☐ Yes
☐ Yes, in parts ☐ No
☐ I don't know

24) Are the accessible places in the Planetarium marked with the International Access Symbol – SIA? *

- ☐ Yes
☐ Yes, in parts ☐ No
☐ I don't know

25) Are all entrances and exits level or do they have access ramps or electromechanical equipment for the mobility of people with disabilities, in accordance with local regulations? *

- ☐ Yes
☐ Yes, in parts ☐ No
☐ I don't know

26) Are all doors and openings at least 0.80 m wide and 2.10 m high? *

- ☐ Yes
☐ Yes, in parts ☐ No
☐ Not applicable
☐ I don't know

- 27) Are there on-site access ramps at level changes? *
- ☐ Yes
☐ Yes, in parts ☐ No
☐ I don't know ☐ Not applicable
- 28) Do the stairs and ramps have handrails on both sides and with two heights to facilitate use by people of short stature? *
- ☐ Yes
☐ Yes, in parts ☐ No
☐ I don't know ☐ Not applicable
- 29) Does the place have adapted restrooms and have an emergency alarm and accessible door handles? *
- ☐ Yes
☐ Yes, in parts ☐ No
☐ I don't know ☐ Not applicable
- 30) Are there drinking fountain(s) available on site? *
- ☐ Yes
☐ Yes, in parts ☐ No
☐ I don't know ☐ Not applicable

If yes,

- 31) Are they accessible to people in wheelchairs, of short stature and with reduced mobility?
- ☐ Yes, all
☐ Yes, in parts ☐ No
☐ I don't know

- 32) Is there parking on site? *
- ☐ Yes
☐ No
☐ I don't know ☐ Not applicable

If yes,

- 33) Does the parking have a space reserved for people with disabilities and reduced mobility?
- ☐ Yes
☐ No
☐ I don't know
- 34) Are the parking spaces located close to the main access to the building and do they have vertical signage identified with a plate, in accordance with the International Access Symbol - SIA?
- ☐ Yes
☐ No
☐ I don't know

- 35) Does the museum/science center have passenger elevator(s)? *
- ☐ Yes
☐ No
☐ I don't know ☐ Not applicable
- 36) If yes, have the passenger elevators been adapted to accommodate people with disabilities, including audible warning, braille button and tactile flooring (especially at the entrance to each floor) for people with visual impairments?
- ☐ Yes, all
☐ Yes, in parts ☐ No
☐ Not applicable
☐ I don't know
- 37) Does the museum/science center have elevators exclusively for people with disabilities and do they comply with ABNT NBR9050 standards? *
- ☐ Yes
☐ No
☐ I don't know ☐ Not applicable
- 38) Does the museum/science center have lifting platform(s) for people with disabilities and do they comply with ABNT NBR9050 standards? *
- ☐ Yes
☐ No
☐ I don't know ☐ Not applicable
- 39) Does the planetarium have a tactile floor? (Does this include: entrances and exits, exhibition areas, restrooms, auditoriums, meeting rooms, cinemas, escalators (escalators or not), elevators, moving walks, steps and level changes)? * ☐ Yes, all
- ☐ Yes, in parts ☐ No
☐ I don't know ☐ Not applicable
- 40) The works/interactive experiments/equipment of the exhibition are arranged at an accessible height for people in wheelchairs, with reduced mobility or short stature (ie 0.80 m for devices horizontally, such as shop windows, tables, touch screens, and 1 m for features arranged vertically on panels and walls)? *
- ☐ Yes, all
☐ Yes, in parts ☐ No
☐ I don't know ☐ Not applicable
- 41) The ticket office, information desk, support tables, telephones and public services are accessible and at an appropriate height for people in wheelchairs, people with reduced mobility or short stature (i.e. 0.80 m for devices in the horizontal, such as shop windows, tables, touch screens, and 1m for resources arranged vertically on panels and walls)? *
- ☐ Yes, all
☐ Yes, in parts ☐ No
☐ I don't know ☐ Not applicable
- 42) Are there escape routes for the person with a ventilated disability, outside the flow of circulation? *

- ☐ Yes
☐ No
☐ Not applicable
☐ I don't know

Accessibility in meeting places, auditoriums, cinemas, theaters, planetariums and the like

43) Are meeting places, auditoriums, cinemas, theaters, planetariums and the like accessible? *

- ☐ Yes, all
☐ Yes, in parts ☐ No
☐ I don't know ☐ Not applicable

44) The planetariums have adequate amount of spaces for people in wheelchair and person with reduced mobility?

- ☐ Yes
☐ No
☐ I don't know ☐ Not applicable

45) Reserved spaces in these wheelchair-accessible meeting places are associated with a fixed companion seat?

- ☐ Yes
☐ No
☐ I don't know ☐ Not applicable

46) Does the planetarium have a bench for obese people that can support a load of 250 kg and have a width equivalent to that of two seats adopted on site?

- ☐ Yes
☐ No
☐ I don't know ☐ Not applicable

47) Does the planetarium offer wheelchairs and motorized carts for indoor use? *

- ☐ Yes
☐ No
☐ I don't know

48) Is there any environment in which access by a person in a wheelchair or with reduced mobility is not possible (existence of stairs without ramps, corridors straits, etc.)? *

- ☐ Yes
☐ No
☐ I don't know

49) If yes, which one(s)?

Physical Accessibility of the surroundings

50) From your perspective, is there physical accessibility in the surroundings of your planetarium (ie, accessibility of public transport, sidewalks, walkways, ramps, bathrooms and public telephones, and their respective appropriate signs)? *

- ☐ Yes
☐ Yes, in parts ☐ No
☐ I don't know ☐ Not applicable

51) If yes, how does it do?

52) When a person with a disability or a group of people with disabilities arrives at the planetarium, what procedures are adopted for their reception and reception? *

Visual, Auditory and Intellectual Accessibility

53) Are the explanatory signs for the exhibition and the museum/science center also in Braille and on an expanded agenda? *

(Extended agenda: Resource that uses larger than standard text fonts to aid reading by people with low vision.)

- ☐ Yes
- ☐ Yes, in parts ☐ No
- ☐ Not applicable
- ☐ I don't know

54) Does the planetarium have interactive equipment/experiments that can be manipulated/touched by everyone? *

- ☐ Yes
- ☐ Yes, in parts ☐ No
- ☐ Not applicable
- ☐ I don't know

55) Does the planetarium have replicas of the works/equipment so that people with visual impairments can play? *

- ☐ Yes
- ☐ Yes, in parts ☐ No
- ☐ Not applicable
- ☐ I don't know

56) If yes, which one(s)?

57) Does the planetarium have audio description sessions?

- ☐ Yes
- ☐ No
- ☐ Yes, in parts
- ☐ I don't know

58) Does the planetarium have sign language sessions?

- ☐ Yes
- ☐ No
- ☐ Yes, in parts
- ☐ I don't know

59) Does the planetarium have subtitled sessions?

- ☐ Yes
- ☐ No
- ☐ Yes, in parts
- ☐ I don't know

60) Do graphic materials, brochures, informative maps, museum/science center catalogs have versions in Braille and/or with an expanded agenda? *

(Extended agenda: Resource that uses larger than standard text fonts to aid reading by people with low vision.)

- 61) In this item you can choose more than one option ()Yes, all
()Yes, all in Braille
()Yes, all with enlarged staff ()Yes, some in Braille
()Yes, some with expanded agenda ()No
() I don't know

62) If yes, specify which graphic material(s):

63) Is there audio description in the planetarium spaces and exhibitions? *

(Audiodescription: It is a resource that promotes access to visual content for people with visual impairments. It is a technique of clear and objective description of visual information in words, for example, information about the object and the environment, special effects, weather changes and space, in addition to reading subtitles and any information written on the screen.)

- ()Yes, in all ()Yes, in parts ()No
() I don't know

64) Are there computers for consultation and interaction with keyboard and speech synthesizer software for people with visual impairments? *

- ()Yes, in all ()Yes, in parts ()No
() I don't know

65) Does the planetarium have seer-guides? *

(Visionary guide: Visionary guide/mediator is the one who, through techniques, leads the visually impaired person into space. The visionary guide can describe, report and inform the characteristics, contents and also provide relevant and useful information about the exhibitions, services and obstacles encountered along the way that may interest the visitor.)

- ()Yes
()No
() I don't know

66) If yes, is the professional available during all opening hours or do you need to schedule a visit?

- ()Yes
()It is necessary to schedule a visit ()I do not know

67) Does the planetarium have a sign language interpreter? *

- ()Yes
()No
() I don't know

68) If yes, is the professional available during all opening hours or do you need to schedule a visit?

- ()Yes
()It is necessary to schedule a visit ()I do not know

69) Does the planetarium have videos, applications or software recorded in Sign Language for explanation/mediation of the exhibition? *

☐ Yes

☐ Yes, in parts ☐ No

☐ I don't know

70) If yes, describe how it works:

71) Are there any adaptations to monitored visits for people with disabilities? *

☐ Yes

☐ No

☐ I don't know

72) If yes, is the professional available during all opening hours or do you need to schedule a visit?

☐ Yes

☐ It is necessary to schedule a visit ☐ I do not know

73) How are the adaptations? Tell us how these visits happen:

Scheduling a visit for people with disabilities

74) If it is necessary to make an appointment, what is the telephone and/or email address?

75) Does the planetarium have any projects or programs to promote accessibility?

*

☐ Yes

☐ No

☐ I don't know

76) If yes, which one(s)? How it works? How it is?

77) Is there any type of training to train professionals at the Planetarium to proactively address the different access needs of people with disabilities and reduced mobility? *

☐ Yes

☐ No

☐ I don't know

78) Is there a training and capacity building program for human resources to eliminate attitudinal barriers to provide the reception of visitors with disabilities? *

- ☐ Yes
- ☐ No
- ☐ I don't know

79) If yes, tell us how the training takes place.

80) Is there any kind of agreement with any institution? Is there a specialist in the museum/science center who is responsible for training? How often are they performed?

81) Does the planetarium have any specific funding to promote accessibility? *

- ☐ Yes
- ☐ No
- ☐ I don't know

82) If yes, tell us how it happens. Is there any kind of agreement with any institution? Where do these resources come from? What is the funding agency?

83) List three challenges/barriers encountered when thinking/planning accessibility in your planetarium. *

84) Is there any point that you consider essential on the issue of accessibility that was not addressed in this questionnaire and that you consider relevant to highlight?

85) After answering this questionnaire, do you consider the planetarium where you work accessible? *

☐ Yes, totally ☐ Yes, in parts ☐ No

☐ I don't know

86) Would you like to make any other comments?

ADD:

ASK IF THE NAME OF THE PLANETARIUM HAS SIGN IN SIGN LANGUAGE

SPECIFIC QUESTIONS ABOUT PLANETARIUMS AND OBSERVATORIES

question about stimulus break room spaces - e.g. for people on the autism spectrum

QUESTION ABOUT NON-ACCESSIBLE SPACES

QUESTION ABOUT THE NUMBER OF PROFESSIONALS IN THE
INSTITUTION

QUESTION ABOUT PROFESSIONALS WITH DISABILITIES / HOW MANY /
POSITIONS AND FUNCTIONS

COMMITTEES/

GUIDING DOCUMENTS...

DO SOCIAL NETWORKS OR ONLINE ACTIONS HAVE ACCESSIBILITY
RESOURCES?

Confirmation message:

This is the end of your quiz. Your responses have been recorded. We appreciate your participation.

We would also like to thank the project partners and professionals who evaluated this questionnaire in its testing phase, in particular, Dr. Luiz Bento - Science and Life Museum and Dr. Viviane Sarraf - Accessible Museums.