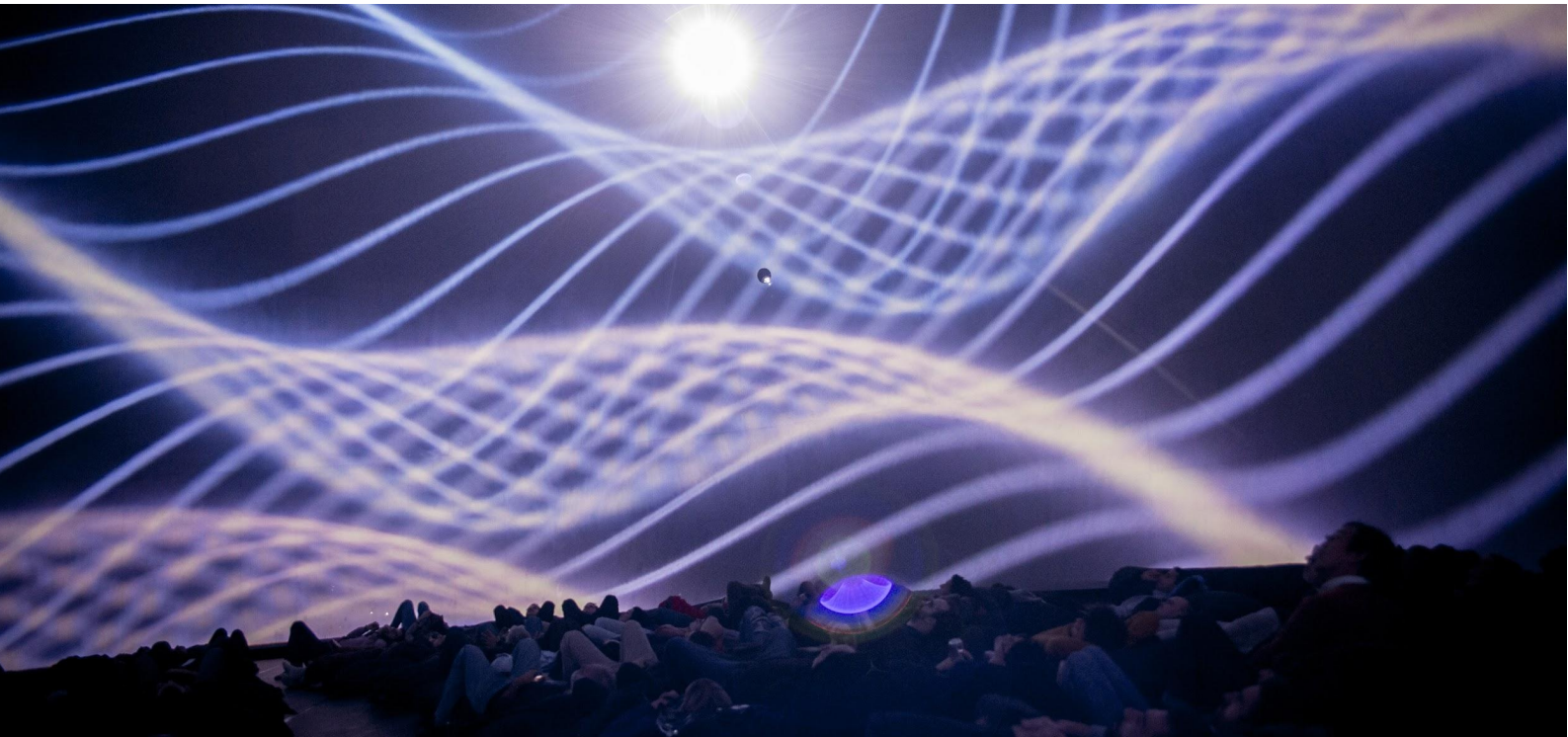


SAT 2022 FEST

APPLICATION GUIDE 2022 - EN



Beneath @ SAT Fest 2019 - Photo : Sébastien Roy

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I - ABOUT SAT FEST

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Organized by the **Society for arts and technology** (Montreal, Canada) the **SAT Fest** is a short dome film festival.

Since its first edition in 2012, the **SAT Fest** has become a major event for creators and amateurs of immersive cinema. With its eclectic selections of short domed films from around the world, **SAT Fest** has fueled the imaginations of thousands of spectators over the years allowing them to discover the universe and the creative vision of more than 100 visual and sound artists, local and international.

To celebrate the 10th anniversary of the **Satosphere**, its iconic 360-degree multichannel immersive dome, the **SAT Fest** is getting a makeover and will be expecting you next spring for a multi-day event.

SEE ALSO

- > [2021 SAT Fest selection](#)
- > [Montreal Gazette : 50 days of mind-bending media](#)
- > [Cult MTL : A mesmerizing experience.](#)



II - HOW TO SUBMIT A SHORT FILM?

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To submit a film to **SAT Fest 2022**, you will need to complete an application through the **Film Freeway platform**. Submitting a film to SAT Fest is completely free, however only one project per team can be selected. Incomplete submissions will not be considered.

- Access the festival page :
<https://filmfreeway.com/SATFest2022>
- If you don't have an account on this platform, you can easily sign-up or create a new account.
- Once your account connected, head to the **Projects** section in the menu, where you can register your film.
- Use **Add Project** to enter all related informations et liens nécessaires sur votre film. Il est possible d'uploader des fichiers allant jusqu'à 10 GB, des liens Vimeo ou Youtube.
- Back to the **SAT Fest page**, you can now click on **Submit Now**, and follow the instructions.
- Once the form completed, you will receive a confirmation via email. We recommend heading to the **Account Settings / Email Preferences** section and deactivate email notifications

https://filmfreeway.com/users/notification_settings

Some important steps :

- Applications for **SAT Fest 2022** will be open from **10 Novembre 10th 2021 to January 31st 2022**.
- The jury of the SAT Fest will proceed to the selection of the films which will be presented thereafter. The program will be announced through February 2022.
- The official selection will be presented to the public in the Satosphere, the SAT's immersive dome, **during the first week of March 2022**. The precise dates are however subject to change.
- Prizes will be awarded to the best films, including an audience award.
- The award-winning films will be compiled in optimal quality and will be screened in the Satosphere later in 2022. Screenings opportunities in partner venues may be a possibility to consider. A screening fee will be allocated to artists at that stage

FROM THE SELECTED FILMS, THE BEST WILL BE AWARDED AT THE CLOSING OF THE EVENT

- Excellence award
- Originality award
- Innovation award
- Best narrative work award
- Best soundtrack award
- Audience award



III - DOMEMASTER VIDEO FORMAT

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The term “**domemaster**” is commonly used to refer to the format of a video designed to be screened in a geodesic dome. The term “**fulldome**” is used in particular when it is designed to cover the entire internal surface of the dome, a process you can experience in places such as the Satosphere, and most video planetariums.

The creation process is akin to a spherical deformation (“fish-eye”) that cancels out when projected onto a dome, thus giving the audience the illusion of being in a new environment. A fulldome domemaster covers a circumference of 360 degrees around the audience. The height that can vary depending on the screening location

> While most planetariums offer a 180 x 360 degrees projection surface (often tilted to face the public), the Satosphere offers the possibility of covering 210 x 360 degrees.

The panoramic “equi-rectangular” format, mostly used in VR, covers the entire visible space, i.e. 360 x 360 degrees. An efficient immersive option, which but only offers a subjective point of view to one viewer.

> The equi-rectangular format is not admissible for SAT Fest

Most visual creation software (editing, 3D, post production, video game engines, visual programming, ...) offer the possibility of creating spherical dome content, either natively or through third-party plugins. It is recommended that you use the terms “dome camera, fulldome, domemaster” in your research to find the best solution for your design process.



YOUR SUBMISSION SHOULD FOLLOW THE SPECIFICATIONS BELOW :

- 210 x 360 degrees is recommended (180 degrees films will be accepted)
- Minimum resolution should be 2048 x 2048 pixels (maximum 4096 x 4096)
- Frame rate : We accept films at 30FPS, but recommend using 60FPS.
- We recommend using .DXV codec, to facilitate the film playback. Resolume offers a free DXV conversion tool named Alley, available here :
 - > <https://resolume.com/software/alley>
- Chances are, your film may not only be selected, but also runs the chance to be awarded and screened in optimal quality. If so, be ready to be asked a master version, i.e. a high quality image sequence (4096 x 4096 @ 60FPS.)
- Those specifications will be forwarded to the filmmakers in due time.



IV - RECOMMENDED AUDIO FORMATS

The Satosphere is equipped with a modular sound system, equipped with 157 speakers (+ 4 subwoofers) that can accommodate up to 31 channels. This 360-degree system also allows sound artists to use up to four elevation levels.

FOR SAT FEST, WE ACCEPT THE FOLLOWING FORMATS, IN ORDER OF RECOMMENDATION :

31 CHANNELS (.wav, split mono)

Several sound spatialization software, such as **SATIE** (open-source sound spatialization environment, developed by Metalab of the SAT) or the **Spat Gris suite** (open-source spatialization suite developed by the Sound Immersion Research Group of the SAT). Université de Montréal), contain a loudspeaker positioning model corresponding to that of the Satosphere. We invite interested artists to contact us at immersionsonore@sat.qc.ca

Here's a filenaming convention we recommend :

mmdd_film_title_1.wav

mmdd_film_title_2.wav

...

Please add a stereo export (.wav) for reference.

SURROUND FORMATS (4.1, 5.1, 7.1 ...)

The most common format when working with music on-screen. However, surround formats allow creative uses of space, as the viewing experience is not constrained to a single orientation when working at 360 degrees. Generally, surround formats do not include height information. If you choose to send us a surround soundtrack, please respect the following nomenclature:

`mmdd_film_title_L.wav`
`mmdd_film_title_R.wav`
....

- We use SMPTE ordering : L R C LFE sL sR rL rR
- Please add a stereo export (.wav) for reference.

AMBISONIC

We accept ambisonic formats and recommend third order ambisonics (16 channels). We do not have a preference for channel ordering as long as it is specified in the filename and documentation. Please add a stereo export (.wav) for reference.

Example :
`mmdd_film_title_ambix_o3.wav`

STEREO

While not the most spatial-sound oriented, stereo files are accepted.

Please provide a separate file for audio (separated from the video), uncompressed, preferably a .wav 24bit - 48KHz

OTHER FORMATS

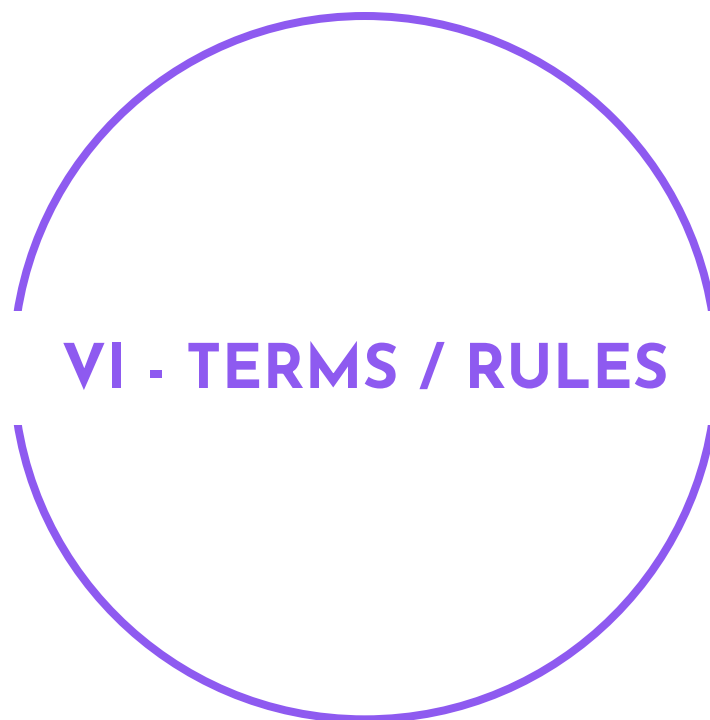
Other formats can be used in our space (quadraphonic, octophonic, cube, ...). These formats will be considered if they include clear documentation regarding the speaker configuration and positions, as well as a reference stereo export. However, for the sake of uniformity between projects, we reserve the right to favor an export in one of the standard formats mentioned above if the documentation provided is considered insufficient or if the specifications cannot be implemented in our system. diffusion.

For more details, we invite you to contact us at immersionsonore@sat.qc.ca



USEFUL LINKS :

- > Submit a film : <https://filmfreeway.com/SATFest2022>
- > SAT on Vimeo : <https://vimeo.com/satmontreal>
- > Fulldome (wiki) : <https://en.wikipedia.org/wiki/Fulldome>
- > Blender Dome Camera : <https://bit.ly/3orJuu7>



1. Submissions to SAT Fest are free.
2. Films must be submitted through the Film Freeway platform. Either by the internal offered on the site (Vimeo, Youtube, upload up to 10GB), or by adding a direct download link in your application (avoid wetransfer). In order to view the film in a dome, all files must be downloadable.
3. You can submit multiple projects, each in a different application. However, only one project can be selected per applicant.
4. Only complete submissions (media, film, synopsis, and all relevant credits) will be considered.
5. Your film must have been produced after January 1, 2020.
6. The jury will make its selection on the basis of the files received. Also, it is strongly suggested not to submit incomplete projects.
7. Selection for the 2022 edition of SAT Fest will not be subject to screening fees.
8. All projects receiveing an award at SAT Fest 2022 will be offered further screening opportunities as part of our SAT Fest 2022 film compilation.
9. By submitting your film to SAT Fest 2022:
 - You authorize the organizers to broadcast the film as part of its event, as well as to use the submitted material (images, screenshots, music) as part of the promotion of the festival.
 - You certify that you have permission to submit this film, and that a festival-context screening is done in agreement with all third parties involved in its creation.
 - You certify that the work submitted to SAT Fest does not infringe the rules of copyright or the intellectual property of any third party.

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CONTACT
satfest@sat.qc.ca



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AND TECHNOLOGY