

A platformer game exploring a mysterious world imbued with particle physics





Goal #1 : Feynman diagrams

To bring non-expert players to manipulate basic (2D) diagrams, via pattern recognition puzzles, including special tools such as: missing energy, time flow or a zoom...



Goal #2 : Particle zoology

In your rosette, collect 17 "pixules" corresponding to (real) elementary particles...



Muon

Very similar to the electron, just heavier. Its lifetime is relatively long for a pixule, about two microseconds. This longevity allows it to reach the ground, while it is created high in the atmosphere, by energetic cosmic rays. It is there, by the way, that Dirca discovered them. Totally unexpected, these muons showed up by surprise, revealing the existence of other pixules than the ones we are made of.



- → Filling the rosette opens new levels
- → Discovering bosons unlock power-ups



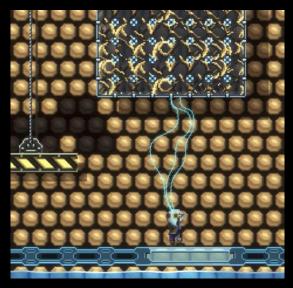


Photon sphere





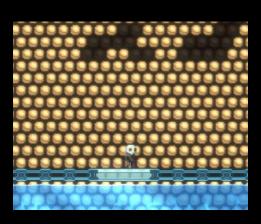
4 POWER-UPS



Zediacal boxes

A SCIENCE-INSPIRED WORLD BUILDING



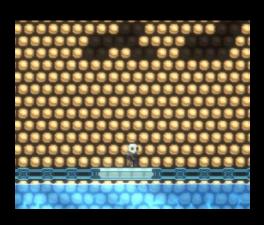




in game

A SCIENCE-INSPIRED WORLD BUILDING



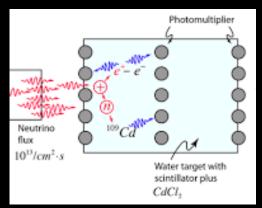




in game





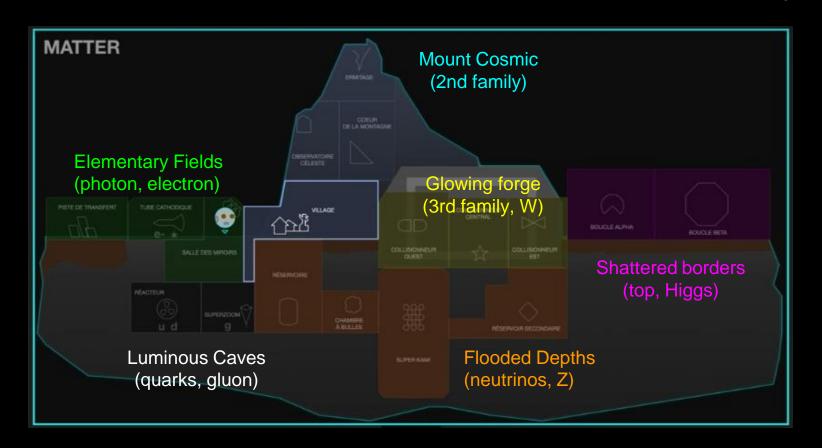


behind the scenes

(to be revealed in a wiki, reddit, discord, forum...)

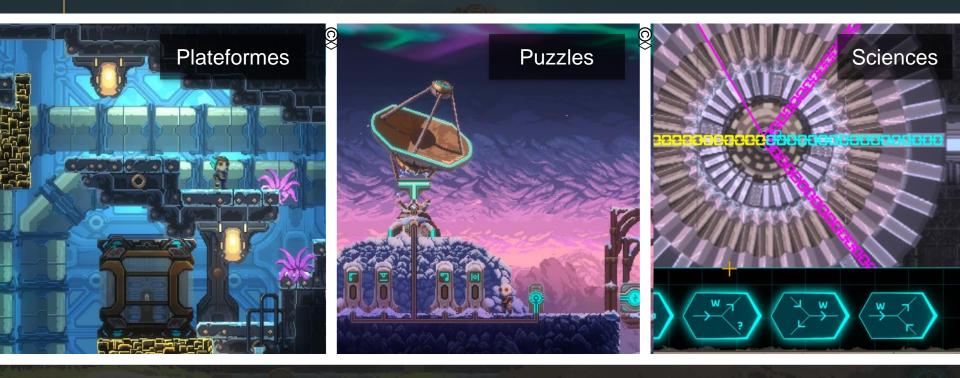
WORLDMAP

20+ levels and 6 atmospheres to go back to the origin of the disaster and face the ultimate discovery



IN SHORT...

Master goal: raise curiosity for particle physics



Exographer, timeline



- 2019-23: conception within the Science & Videogame academic chair of École polytechnique (under Ubisoft patronage)
- Nov'23: shown at the Paris Games Week (200+ players, excellent feedback)
- Nov'23: creation of the spin-off studio SciFunGames "Science for all, fun above all"
- Jan'24: deal with the Abylight publisher
- Fev'24: announced on Steam (you can put the game on your wishlist)
- Jun'24: playable demo on Steam [link] and discover photons and electrons
- Fall 24: simultaneous release on PC & Mac / consoles (Switch, PlayStations, XBOX)

The team



Raphaël
Narration
Science



Artistic director

Thomas



Tony Lead Dev



Catherine Producer



Pierre-Alban Game Designer



Léonard Tech Art





G4F Sound design

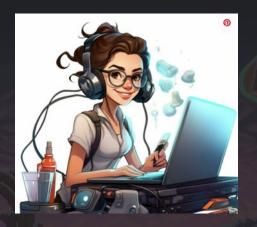
Yann Composer



Priscilla & Arthur

UX designers

Targeted audience = 12-35 yrs



Target #1 (Fun): Frequent players, curious and eager for new experiences; they have played best-selling platformers (Fez, Braid, Owlboy, Celeste, Ori, Hollow Knight...)

Target #2 (Sci): Players interested in science; prescribing parents; curious scientists; academics; they consume science on other media (Youtube, TikTok...)



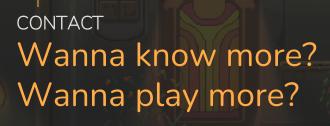
Exographer, lessons



- ullet Goal: reach a large audience with no a priori interest o Video games
- Professional quality videogames cost money (human resources, with several high-level profiles needed)
- Target: 100 000+ players (9 languages available already)
- Now that Exographer (almost) exists:

we can use it to popularize our science \rightarrow Spread it around you?!...

we can discuss extra visuals / side levels based on your favourite experiment / physics case





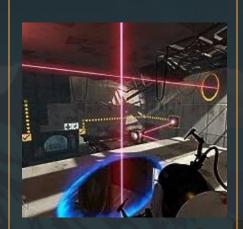


End of talk, back-up slides



OUR SOLUTION

Videogames, the best popularization media?



Game mechanics



Engaging graphics



Large audience

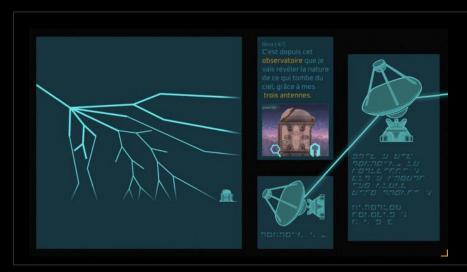


Interactive experience

TABLET & PICTURES

Guided by a mysterious tablet equipped with a camera,

Unveil encrypted clues and repair impressive machines





WORLD

Discover a familiar environment yet strangely corrupted:

Four absurd substances have swamped the world

Each is an obstacle that you will learn to overcome









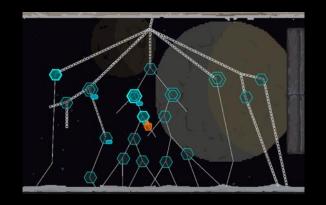
ROCK FLORA TAR FOG

2

EXOGRAPHER'S PILLARS

A mysterious world

Full of intriguing machines unveiling fascinating phenomena



A pure platformer game

Engaging and guiding players through original mechanics



A scientific background

Echoing from world building to puzzle design



A DUAL-PHASE EXPERIENCE

Explore a disconcerting universe and break its mystery...





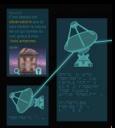




Understand its core elements to track the chronology of a disaster...











CHARACTER

Embody InI, an explorer teleported for a rescue mission on a strange planetoid, with no possible return





Character equipment and progression



CORE LOOP Take pictures of clues Access new level Repair machine Power up G Take analyzable Discover pixule Н picture Analyze picture

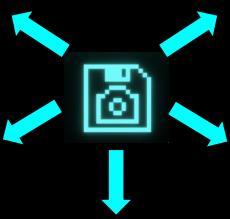
A CENTRAL FEATURE = TAKING PICTURE

Reveal new particles and their tracks



Help solving puzzles





Decypher all the clues left by the Natitans...



... providing as many check points



Provide a unique game save point



IN SHORT

Live an amazing encounter with science, making particle physics intriguing, wonderful and tameable through a pure puzzle / platformer game

Science for all Fun above all



The first videogame studio dedicated to science popularization

OUR MISSION

Reconnecting audiences

27%

of young people* doubt that humans are the fruit of evolution (IFOP, 2023) 95%

of young people* play video games (SELL, 2020) 200G\$

annual worldwide revenue from video games, the leading medium

→ Using video games to democratize science

OUR FOUNDER

Raphaël Granier de Cassagnac

- Ubisoft's trust to hold the Science & Video Games academic chair @ Polytechnique (2019-2023)
- Sci = physicist at CERN && Fun = Game studio cofounder, writer (3 novels, 12 short stories, 4 universe-books, 2 movie projects...)







TESTIMONIALS

They played Exographer

- « I want to play it on Nintendo switch » A Nintendo producer, Game Connection 2022
- « We see the game appealing to players that appreciate puzzle-platformer games with a core focus on puzzles. » A Ubisoft producer
- « It's weird, but fun weird. » Eva Gaspar, Abylight's CEO
- « A great way to discover particle physics while having fun! » David Louapre, (French scientific youtuber with 1,3 M followers)
- « With Exographer, you enter the world of the infinitely small, and strangely enough, you come out all grown up! » Étienne Klein
- « A game which does not take players for imbeciles », Yanukass, Paris Games Week
- « The powers are easy to handle and fun to use » Tester #A
- « The Yurt level is really beautiful » Tester #B

OUR Positioning

Game	Total revenue		
Braid	6 000 000 €		
Fez	3 500 000 €		
Outer Wilds	27 000 000 €		
Elec head	400 000 € (PC)		
Spacechem	2 000 000 € (PC)		
Kerbal SP	55 000 000 €		
Celeste	85 000 000 €		
Hollow Knight	200 000 000 €		



THANKS FOR YOUR ATTENTION



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