



**1.2** MILLION

Seed samples from almost every country in the world.

## CAPACITY

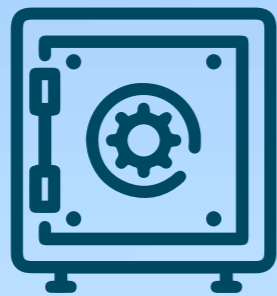
**4.5** MILLION SEEDS

Each packet of seeds contents 500 seeds. Maximum of 2.5 billion seeds.

## TEMPERATURE



**-18°C**



## STORAGE

**130 M** above present sea level, and **150 M** deep deep inside the sandstone and permafrost of a mountain.

Kept stable by an electricaly powered freezer unit. Permafrost and thick rock ensure that the seed samples will remain frozen even without power. temperature will never exceed -4°C.

## COST

**9\$**

MILLION PLANNED



**+**  
**20\$**

MILLION UPGRADE

## WHY UPGRADE ?

Construction began in March 2007 and it opened in Feb. 26th, 2008. Upgrades were required due to risk for water intrusion. An unexpected and heavy rainfall caused water flooding in the vault's entrance tunnel in October 2016..

## WHY NEEDED ?

Help replenish needed genetic resources if they are lost from genebanks due to natural or man-made disasters, such as pollution, war, disease, and climate change.

HOLDS BACK-UP SEEDS FROM

**98**

other genebanks



## » A PIECE OF ART

The seed vault is an icon with the "Perpetual Repercussion", an illuminated fiber optic art installation created by Norwegian artist, Dyveke Sanne.

# GLOBAL SEED VAULT

## WHERE ? SVALBARD

Close Longyearbyen 78° N



# THE WORLD'S COLDEST BANK

# SVALBARD GLOBAL SEED VAULT

3 SEED CHAMBERS

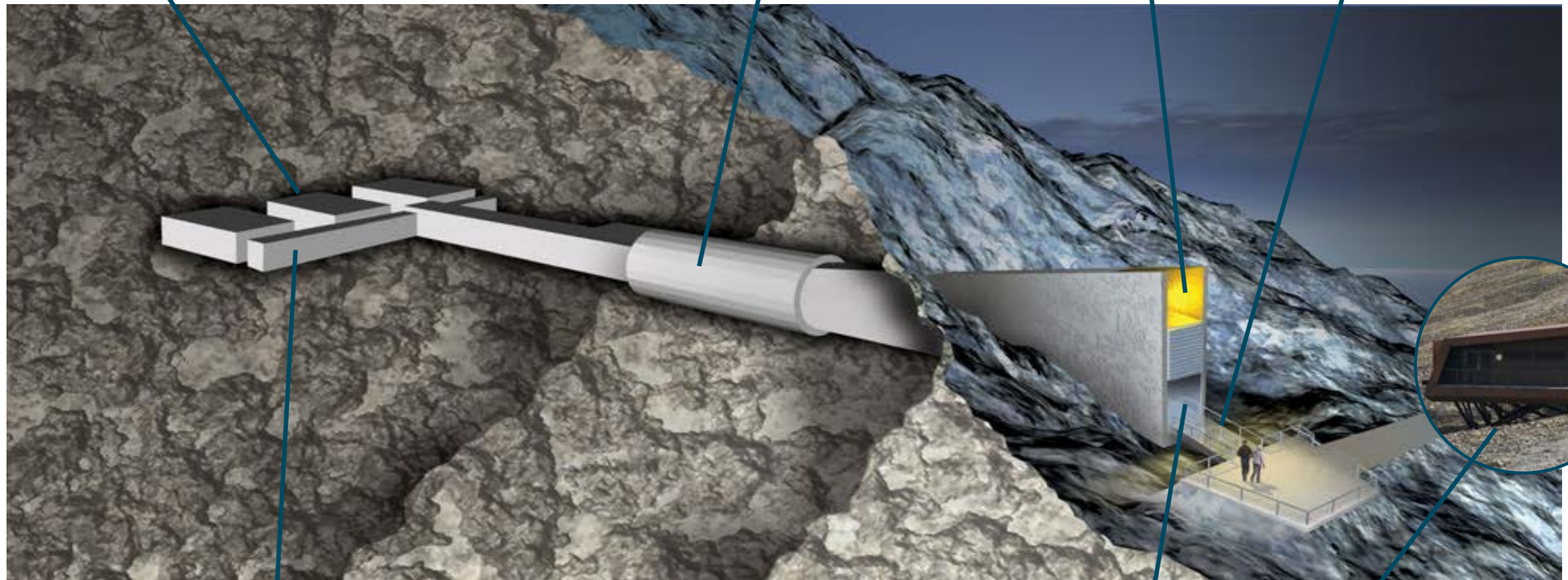
145 METERS FROM ENTRY



SLEEVE TO PROTECT TUNNEL  
FROM EROSION AND  
CLIMATIC CHANGES

ROOF TOP ART WORK  
"PERPETUAL REPERCUSSION"

BRIDGE



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AIRLOCK DOORS



TUNNEL ENTRANCE



OFFICE AND TECHNICAL EQUIPMENT

VENTILATION, COOLING SYSTEMS, POWER SUPPLIES



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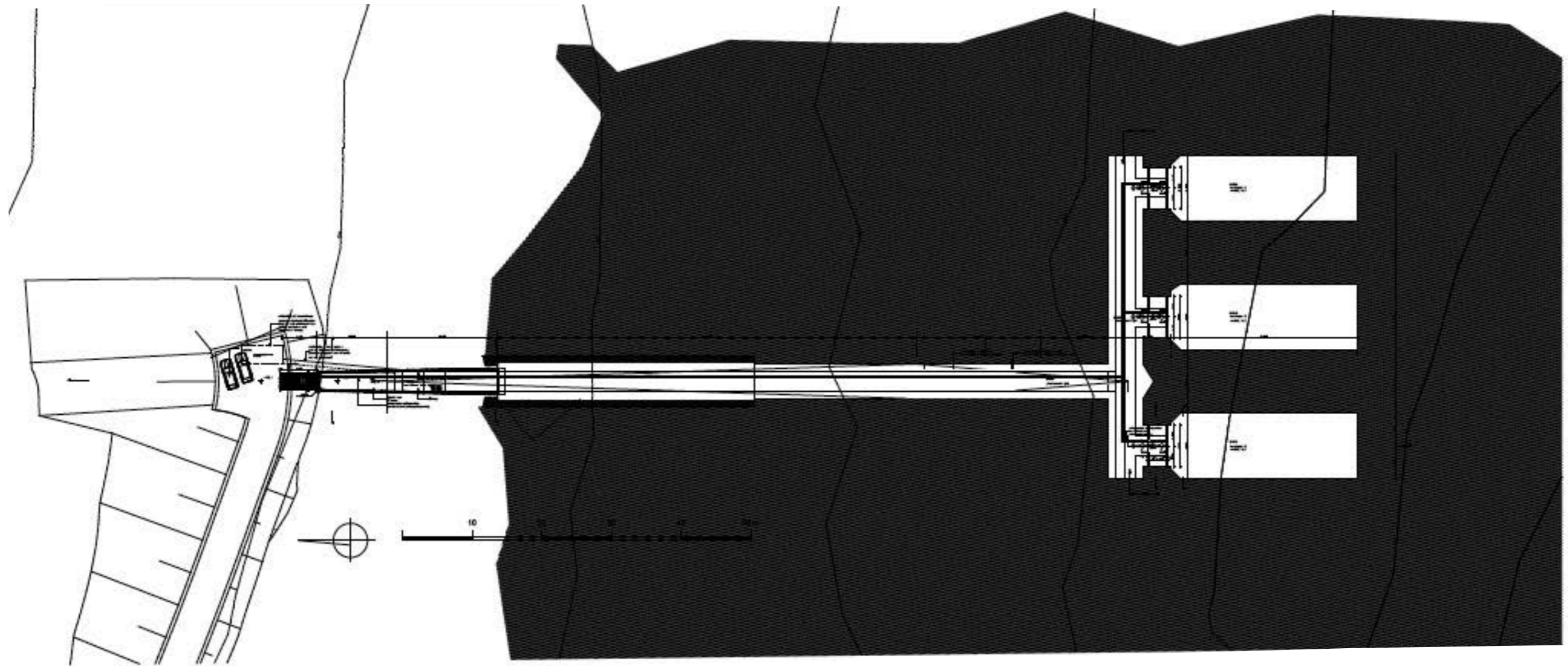
# THE WORLD'S COLDEST BANK

# SVALBARD GLOBAL SEED VAULT

MORE INFORMATION :

[HTTPS://WWW.NORDGEN.ORG/VART-ARBETE/SVALBARD-GLOBAL-SEED-VAULT/](https://www.nordgen.org/vart-arbete/svalbard-global-seed-vault/)

[HTTPS://SEEDVAULTVIRTUALTOUR.COM/](https://seedvaultvirtualtour.com/)



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# THE WORLD'S COLDEST BANK

## NOTES

A series of horizontal dashed lines provided for taking notes.



# THE WORLD'S COLDEST BANK

ABOUT EXPLORE SVALBARD

A NON PROFIT PROJECT  
YOUNG EXPLORERS FROM MOROCCO  
TO THE ARCTIC CIRCLE.

By learning about and experiencing the Arctic ecosystem first hand, students will gain a deeper understanding of its fragility due to climate change and marine pollution (microplastics) and we challenge our students to translate this awareness into action for our and their own communities.

WE BELIEVE THE OUTDOORS CHANGES LIVES

Educating through emotion, through discovery and experience, and creating empathy with nature are the best ways to awaken young people to the seriousness of climate change. We believe that learning to explore differently, to understand in order to better preserve, and simply to act while having a good time are important.

FOLLOW US ON INSTAGRAM  
TO LEARN MORE ABOUT  
OUR PROJECT AND SVALBARD.  
THANK-YOU  
FOR YOUR SUPPORT !



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