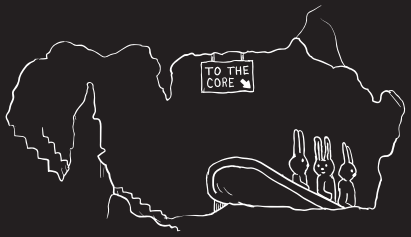
# Drawing What You Can't See: Lessons in Illustrating the Deep Earth

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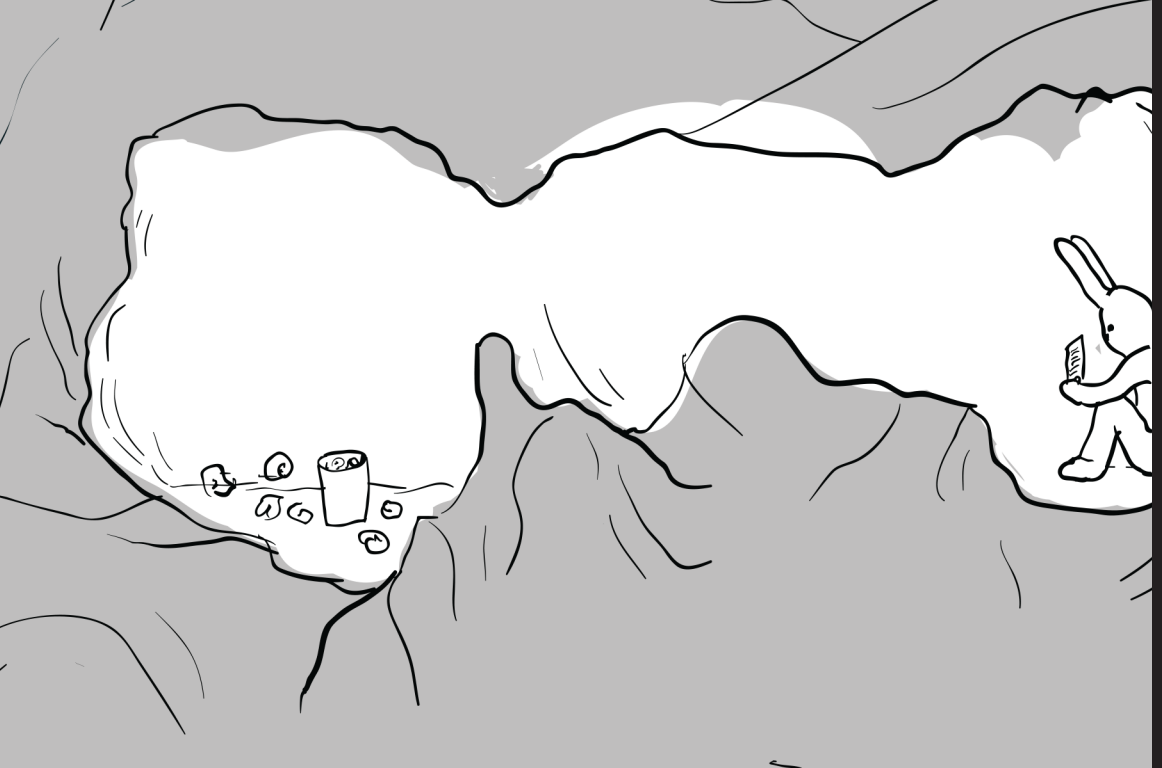

Josh Wood

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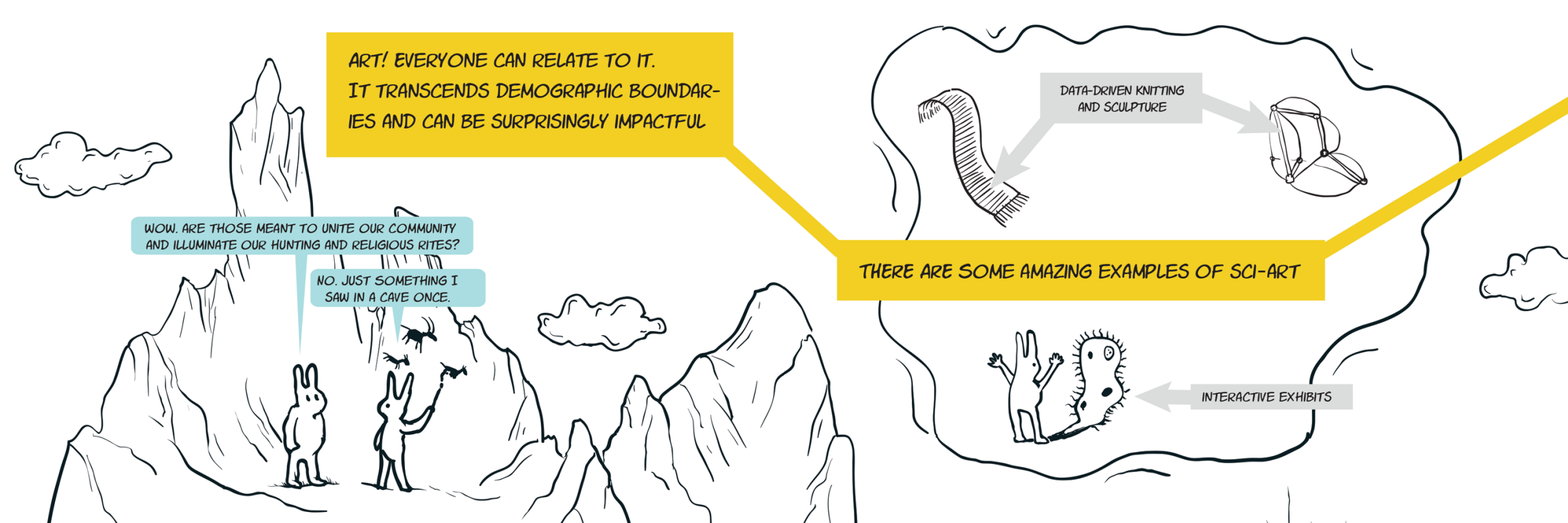
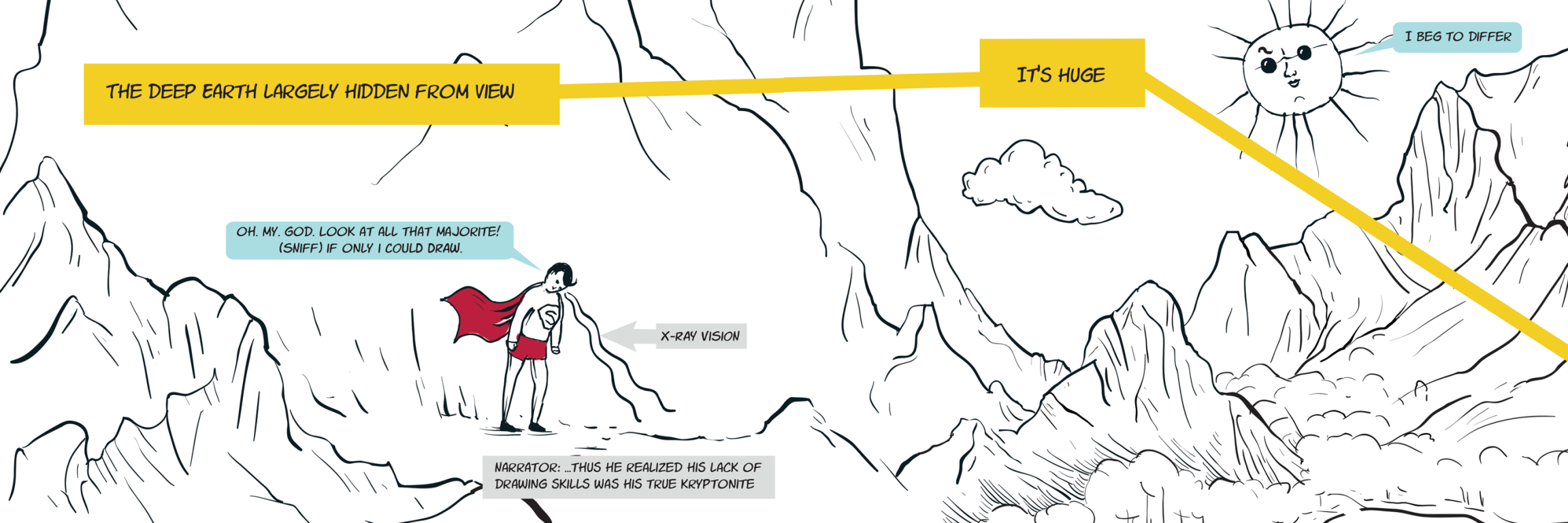
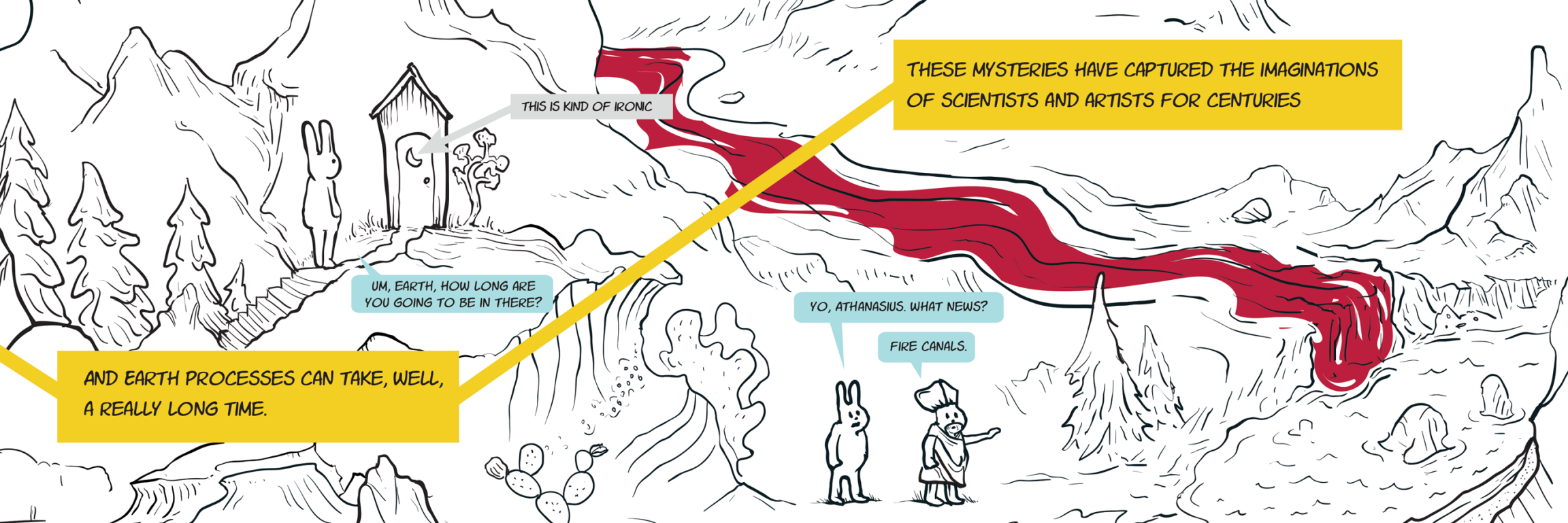
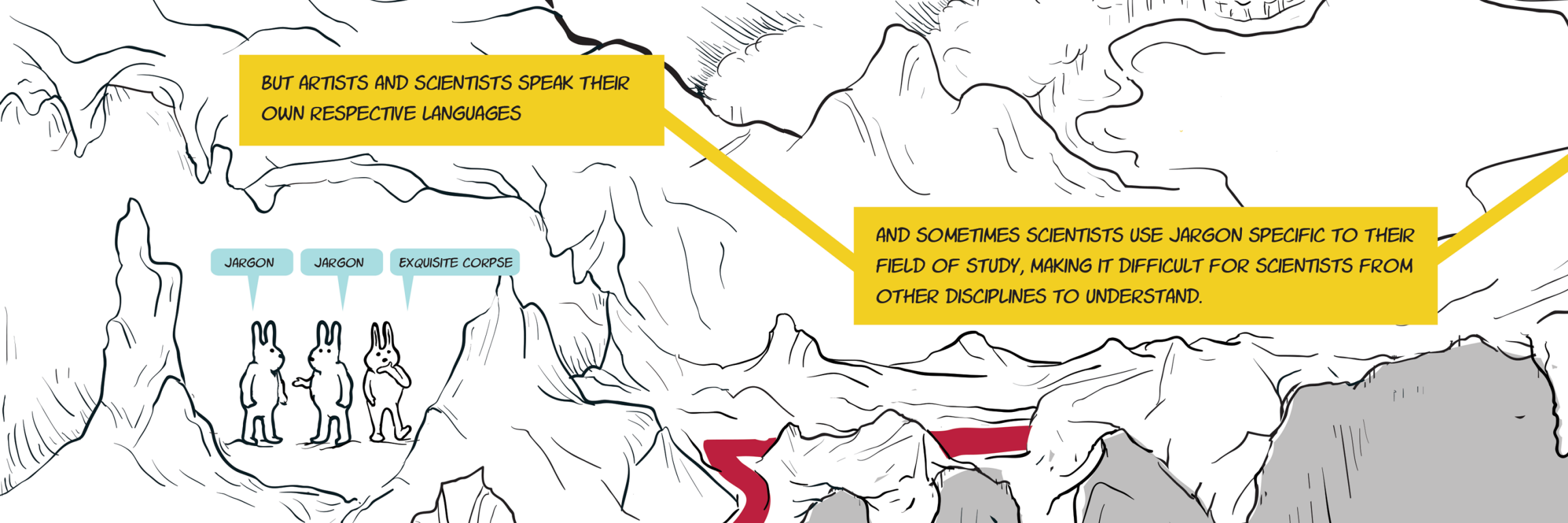
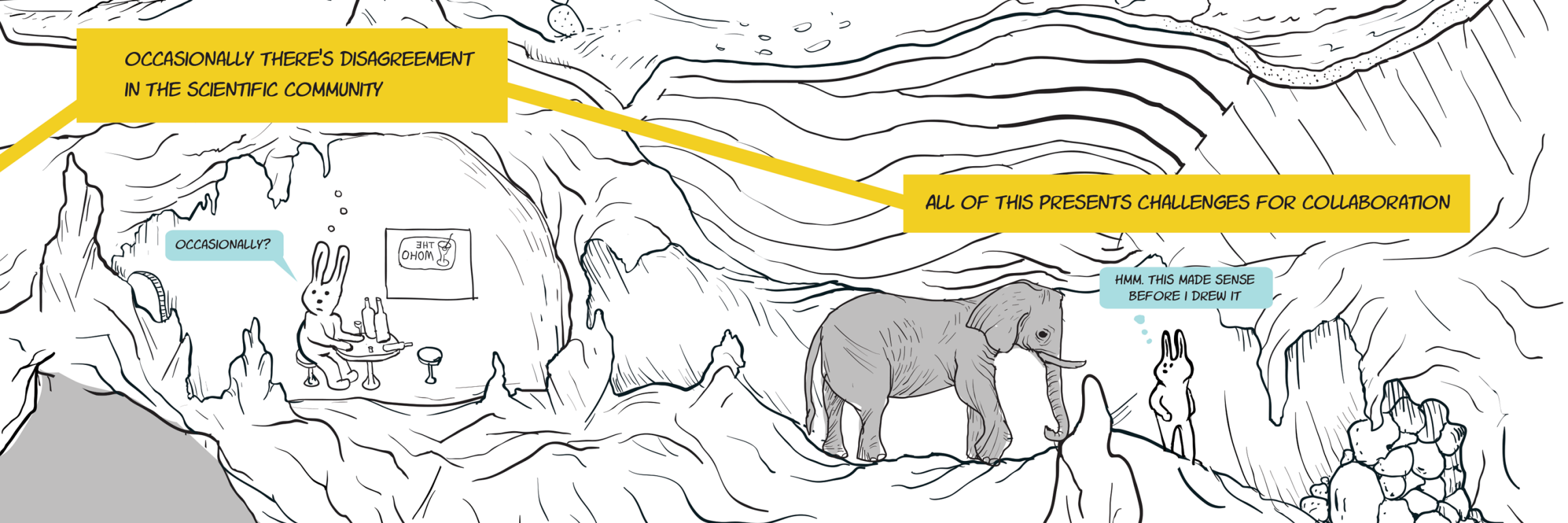

ART! EVERYONE CAN RELATE TO IT. IT TRANSCENDS DEMOGRAPHIC BOUNDARIES AND CAN BE SURPRISINGLY IMPACTFUL
WOW. ARE THOSE MEANT TO UNITE OUR COMMUNITY AND ILLUMINATE OUR HUNTING AND RELIGIOUS RITES?
NO. JUST SOMETHING I SAW IN A CAVE ONCE.
THERE ARE SOME AMAZING EXAMPLES OF SCI-ART
DATA-DRIVEN KNITTING AND SCULPTURE
INTERACTIVE EXHIBITS

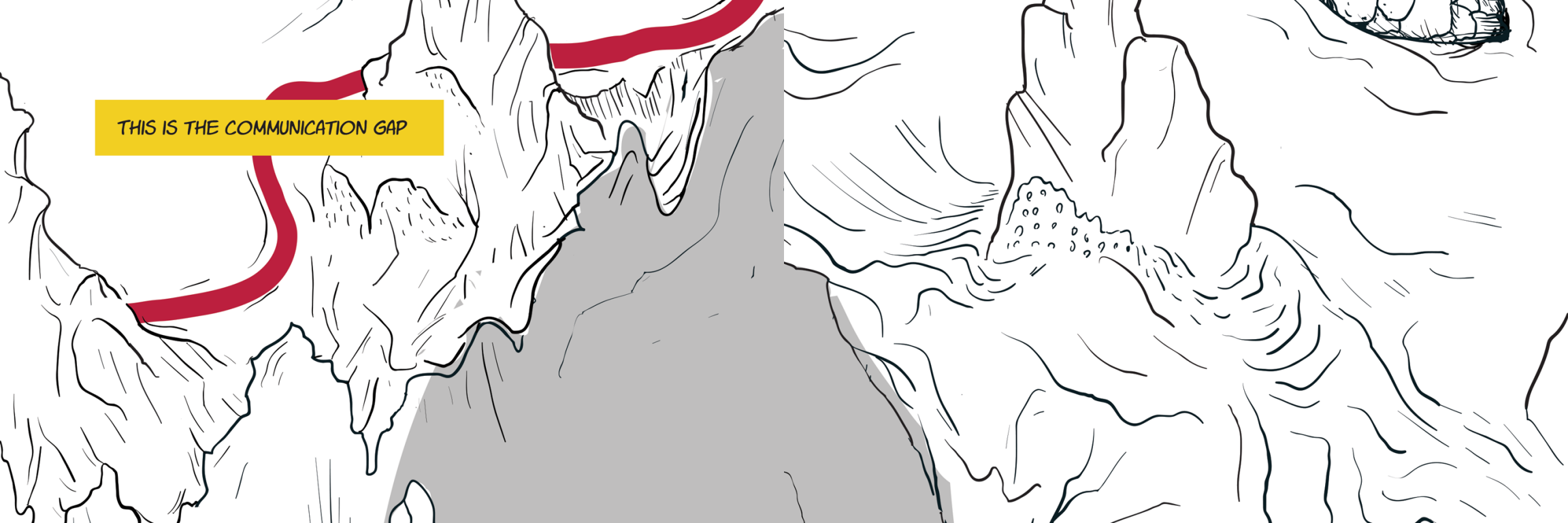
BUT CREATING A SIMPLE, WELL-DESIGNED FIGURE CAN BE A CHALLENGE...
...ESPECIALLY WHEN IT COMES TO DESIGNING A FIGURE ABOUT THE DEEP EARTH
IT'S SIMPLE. JUST LOWER ME GENTLY INTO THAT ACTIVE VOLCANO.
OK, BUT I DON'T THINK WE HAVE ENOUGH ROPE.

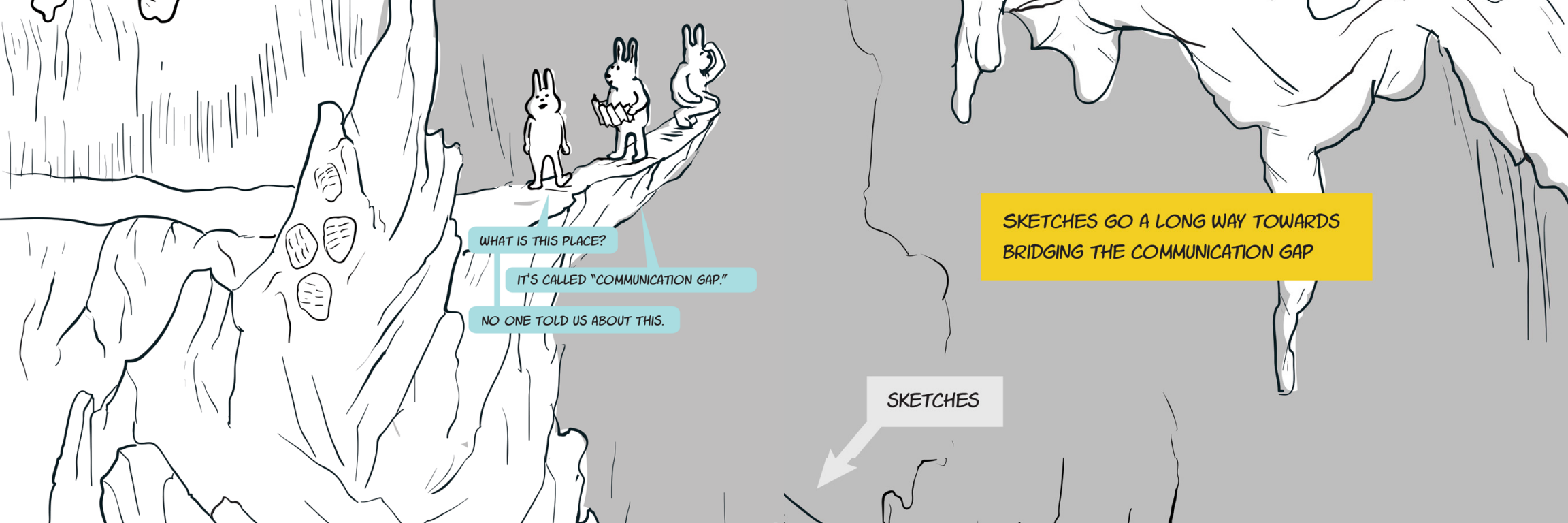

THE DEEP EARTH LARGELY HIDDEN FROM VIEW
IT'S HUGE
I BEG TO DIFFER
OH. MY. GOD. LOOK AT ALL THAT MAJORITE! (SNIFF) IF ONLY I COULD DRAW.
X-RAY VISION
NARRATOR: ...THUS HE REALIZED HIS LACK OF DRAWING SKILLS WAS HIS TRUE KRYPTONITE


THIS IS KIND OF IRONIC
UM, EARTH, HOW LONG ARE YOU GOING TO BE IN THERE?
AND EARTH PROCESSES CAN TAKE, WELL, A REALLY LONG TIME.
THESE MYSTERIES HAVE CAPTURED THE IMAGINATIONS OF SCIENTISTS AND ARTISTS FOR CENTURIES
YO, ATHANASIUS. WHAT NEWS?
FIRE CANALS.

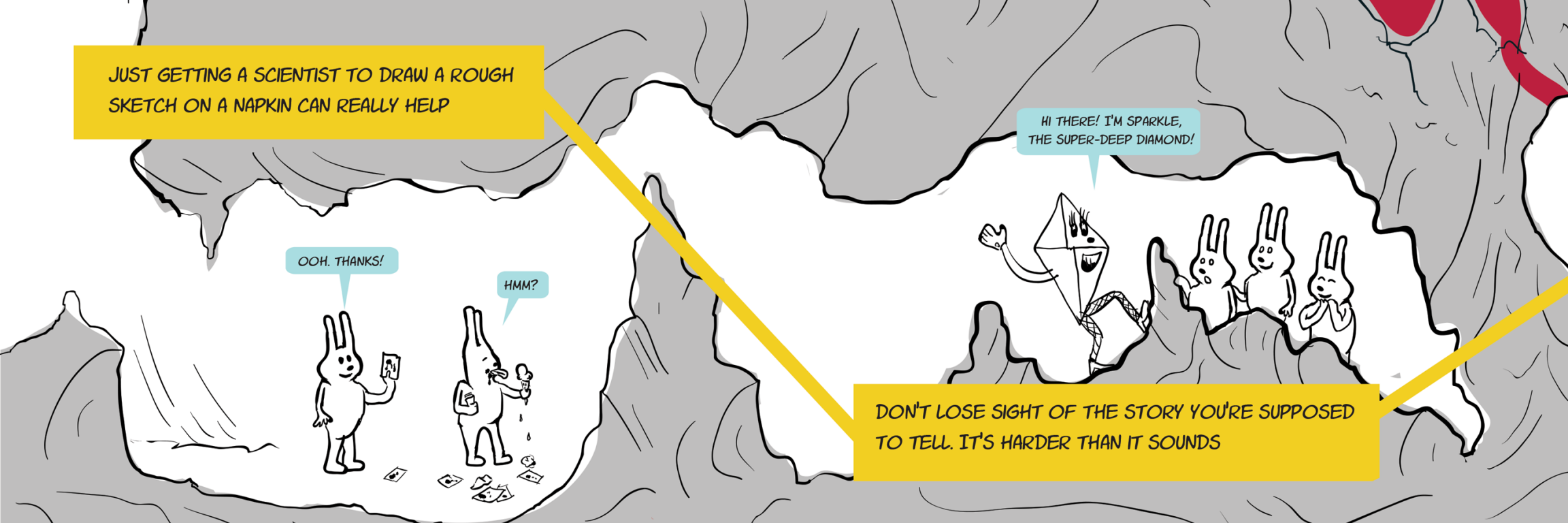

BUT ARTISTS AND SCIENTISTS SPEAK THEIR OWN RESPECTIVE LANGUAGES
AND SOMETIMES SCIENTISTS USE JARGON SPECIFIC TO THEIR FIELD OF STUDY, MAKING IT DIFFICULT FOR SCIENTISTS FROM OTHER DISCIPLINES TO UNDERSTAND.
JARGON
JARGON
EXQUISITE CORPSE


OCCASIONALLY THERE'S DISAGREEMENT IN THE SCIENTIFIC COMMUNITY
ALL OF THIS PRESENTS CHALLENGES FOR COLLABORATION
OCCASIONALLY?
THE MOHO
HMM. THIS MADE SENSE BEFORE I DREW IT


THIS IS THE COMMUNICATION GAP


WHAT IS THIS PLACE?
IT'S CALLED "COMMUNICATION GAP."
NO ONE TOLD US ABOUT THIS.
SKETCHES GO A LONG WAY TOWARDS BRIDGING THE COMMUNICATION GAP
SKETCHES

NONE OF THIS IS LOGICAL


JUST GETTING A SCIENTIST TO DRAW A ROUGH SKETCH ON A NAPKIN CAN REALLY HELP
OOH. THANKS!
HMM?
HI THERE! I'M SPARKLE, THE SUPER-DEEP DIAMOND!
DON'T LOSE SIGHT OF THE STORY YOU'RE SUPPOSED TO TELL. IT'S HARDER THAN IT SOUNDS

VISUAL REFERENCES ARE REALLY HELPFUL. RESEARCH PREVIOUS FIGURES.

GOOGLE

GOOGLE

DUH

GOOGLE

ARTISTS, DON'T BE AFRAID TO ASK FOR A DRAFT THE PAPER. THE SUMMARY OR ABSTRACT CAN HELP ANSWER QUESTIONS DOWN THE ROAD

AREN'T THERE ANY PICTURES? OH RIGHT. I'M MAKING THE PICTURE.

FIGURE DRAFTS, BEER CAPS

COLLABORATION ON FIGURES VIA EMAIL MOVES AT A GLACIAL PACE

M'LADY. WE FINALLY RECEIVED A RAVEN.

AND?

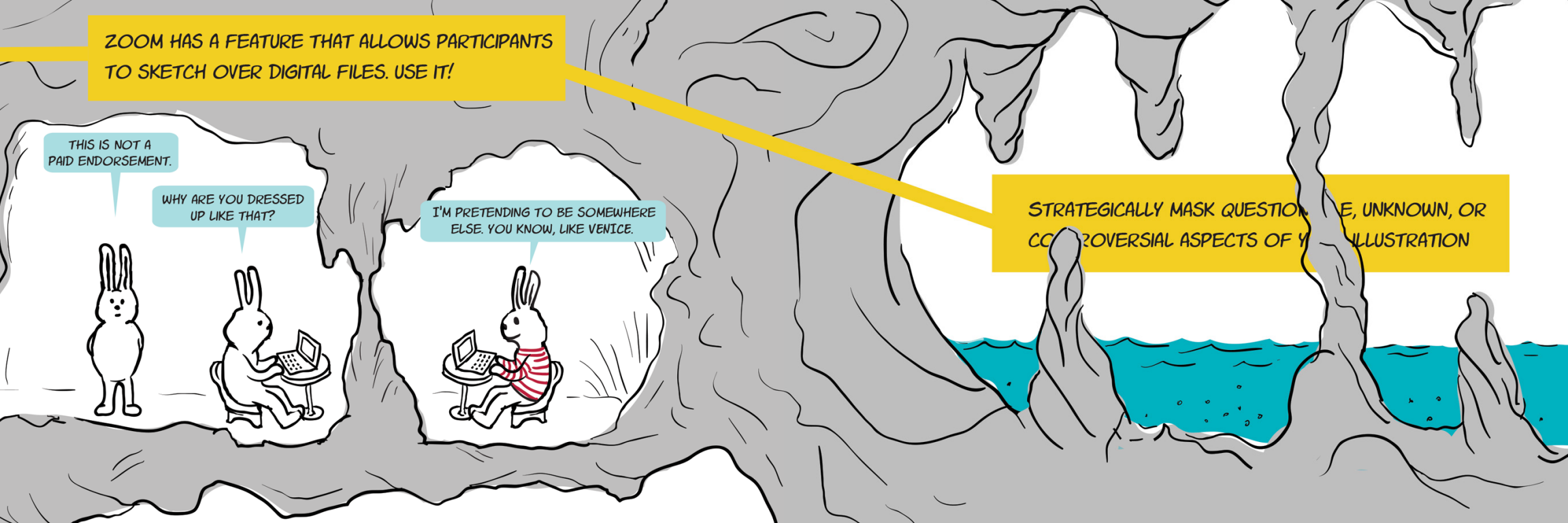
IT SAYS "CAN YOU REPHRASE THE QUESTION?"

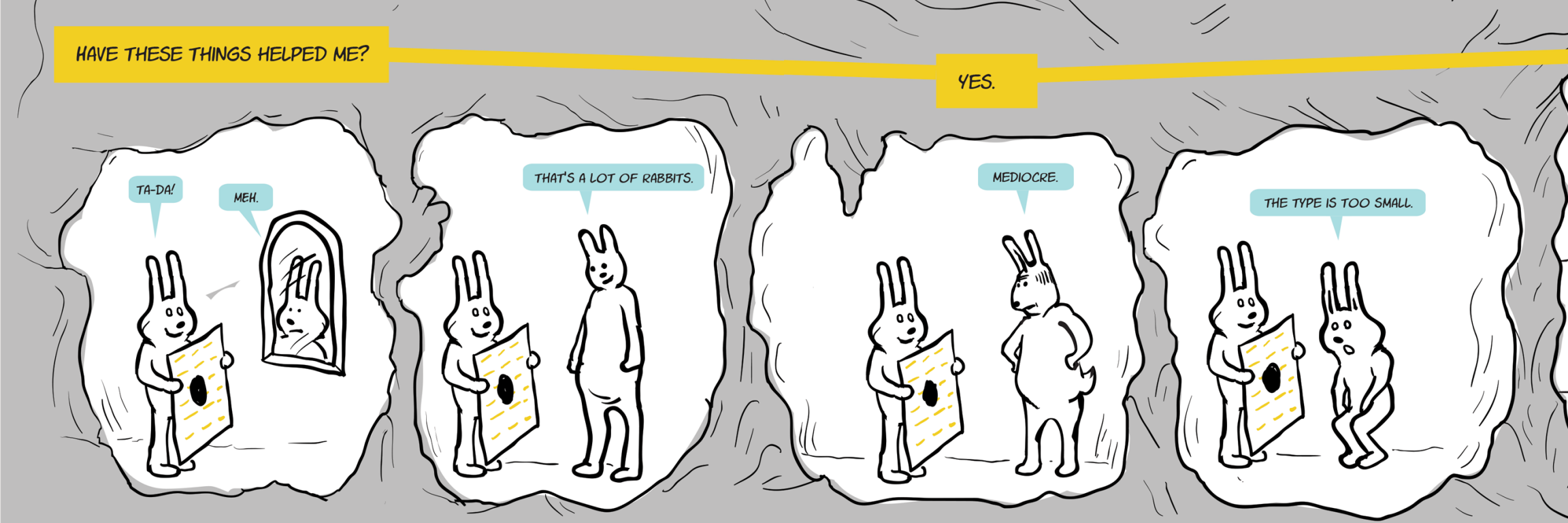
RIMSHOT

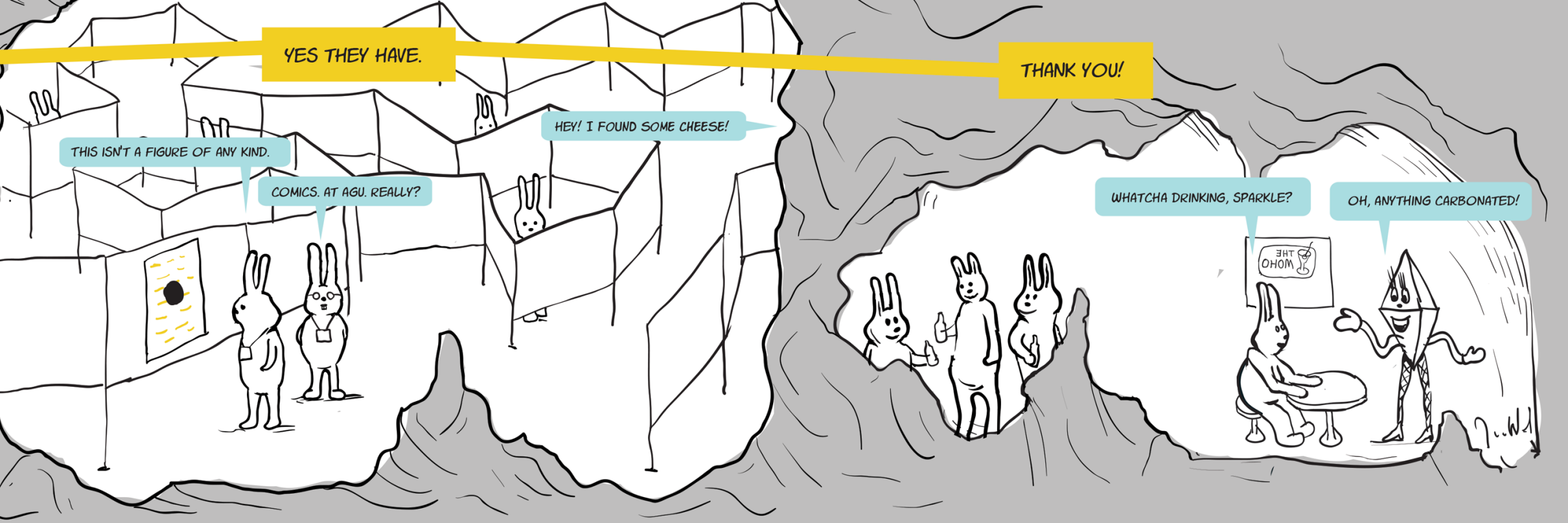
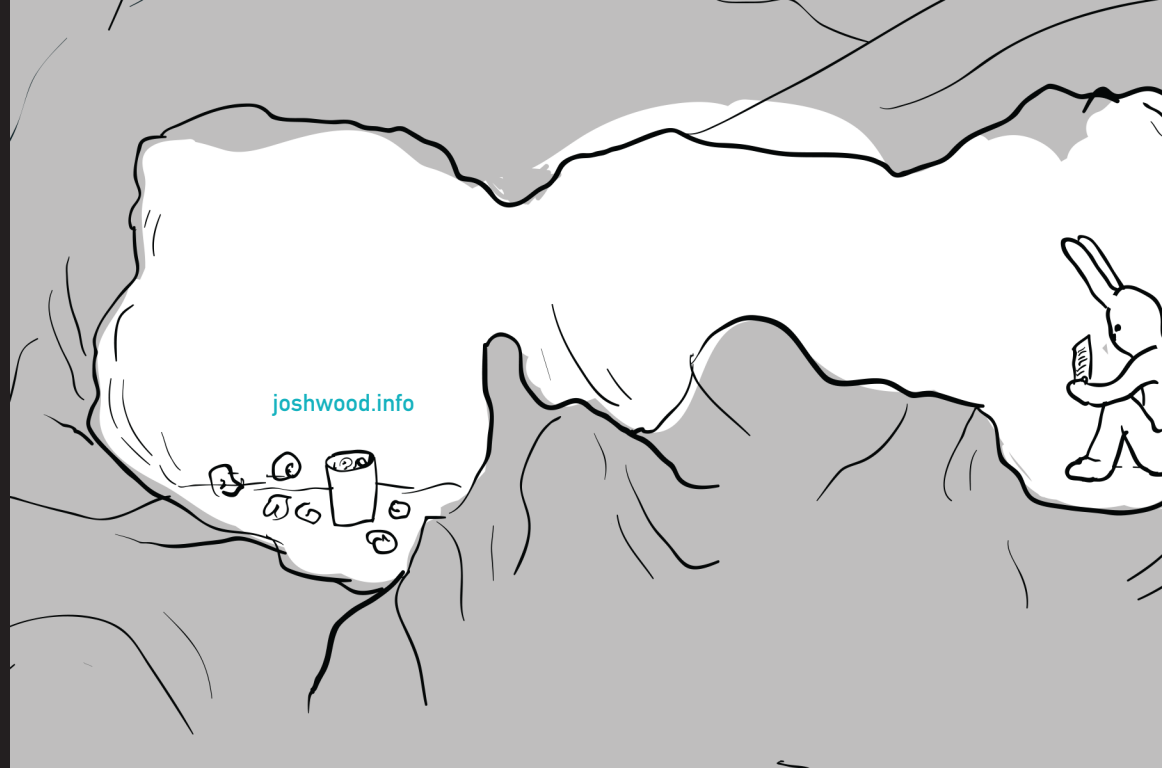
USING VIDEO CHATS CAN SAVE AN ENORMOUS AMOUNT OF TIME

TO THE CORE

ESCALATOR.


ZOOM HAS A FEATURE THAT ALLOWS PARTICIPANTS TO SKETCH OVER DIGITAL FILES. USE IT!
THIS IS NOT A PAID ENDORSEMENT.
WHY ARE YOU DRESSED UP LIKE THAT?
I'M PRETENDING TO BE SOMEWHERE ELSE. YOU KNOW, LIKE VENICE.
STRATEGICALLY MASK QUESTIO E, UNKNOWN, OR
CO OVERSIAL ASPECTS OF Y LLUSTRATION


HAVE THESE THINGS HELPED ME?
YES.
TA-DA!
MEH.
THAT'S A LOT OF RABBITS.
MEDIOCRE.
THE TYPE IS TOO SMALL.


THIS ISN'T A FIGURE OF ANY KIND.
COMICS. AT AGU. REALLY?
YES THEY HAVE.
HEY! I FOUND SOME CHEESE!
THANK YOU!
WHATCHA DRINKING, SPARKLE?
OH, ANYTHING CARBONATED!
THE MOHO

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