

Faire simple, la clé de la durabilité ?

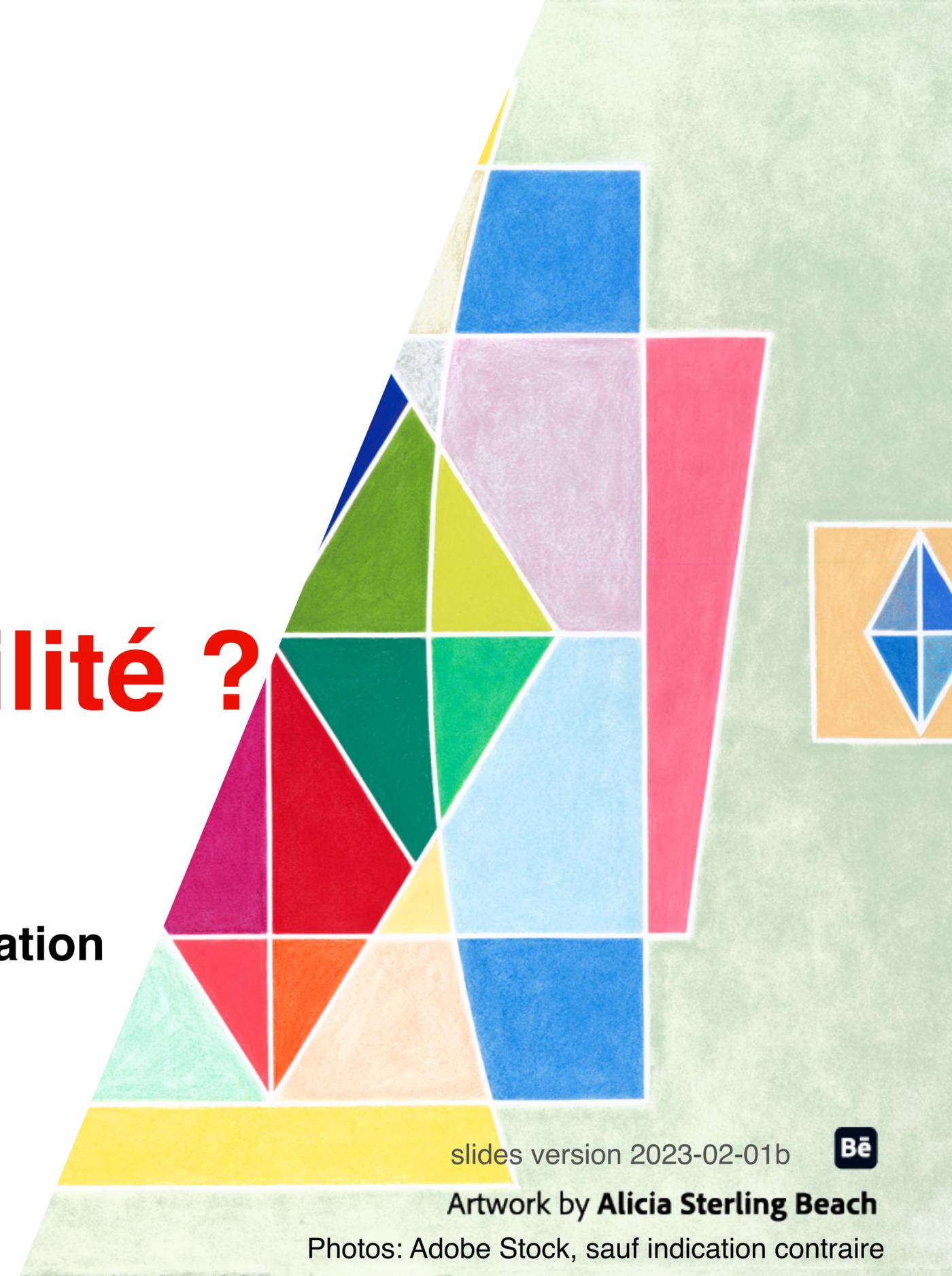
Bertrand Delacrétaz

Principal Scientist, Adobe

Board member, Apache Software Foundation

devfest Strasbourg, Novembre 2023

version 2023-11-13



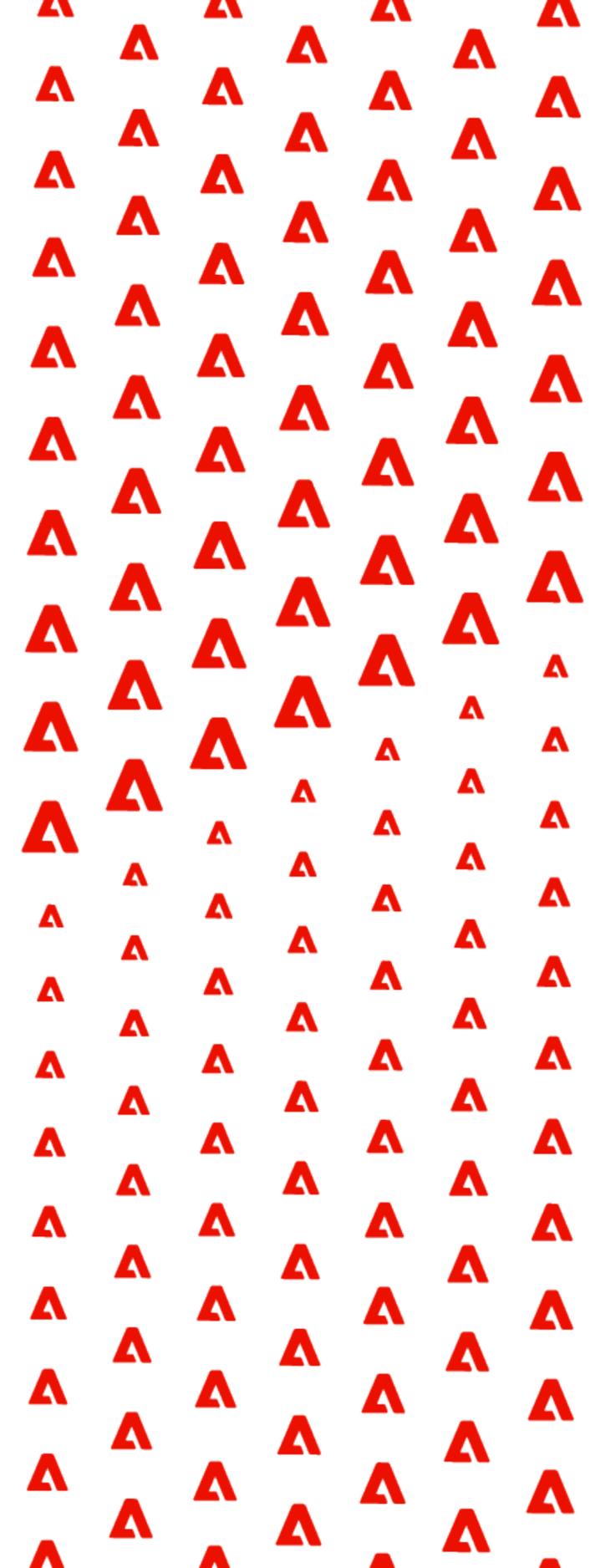
slides version 2023-02-01b



Artwork by **Alicia Sterling Beach**

Photos: Adobe Stock, sauf indication contraire

Simplicité et beauté ...





simplicité
splendide et évidente



rien à
retrancher?



**minimaliste
mais efficace**

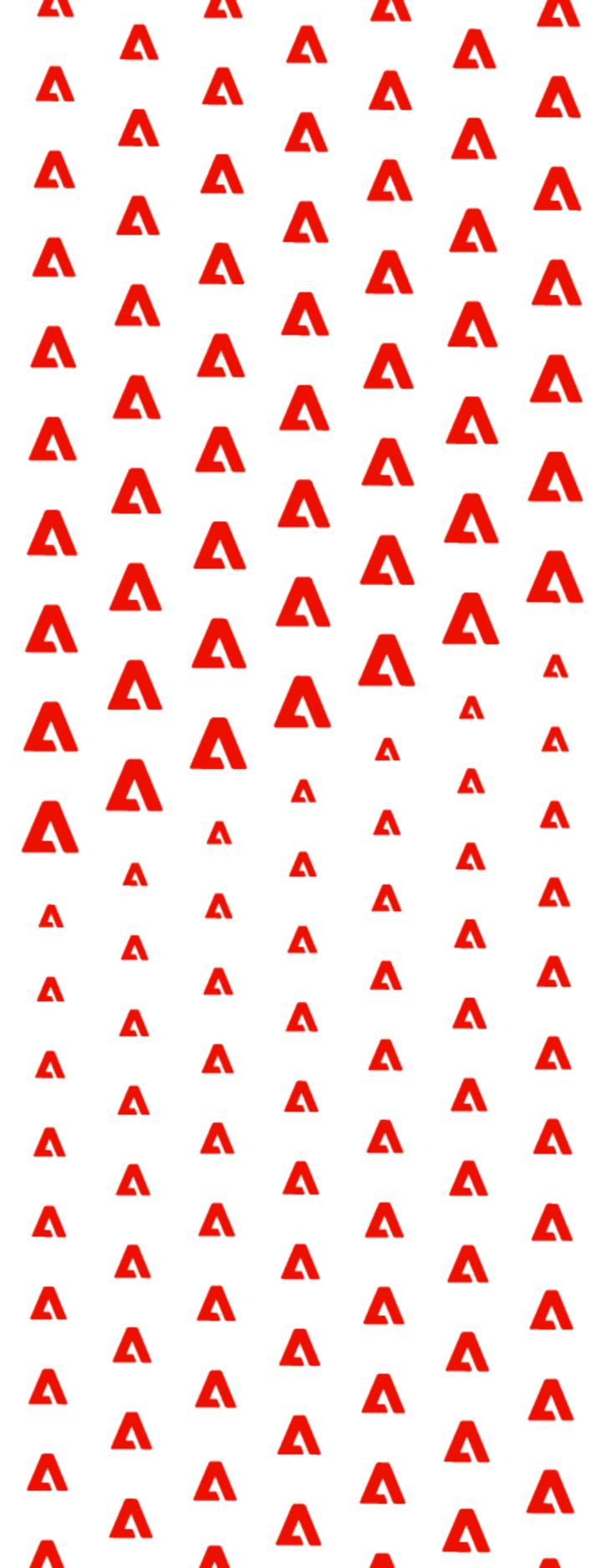
Simple, mais pas simpliste!

SPACE & PHYSICS

Fact or Fiction?: NASA Spent Millions to Develop a Pen that Would Write in Space, whereas the Soviet Cosmonauts Used a Pencil

**SCIENTIFIC
AMERICAN**

Exemples

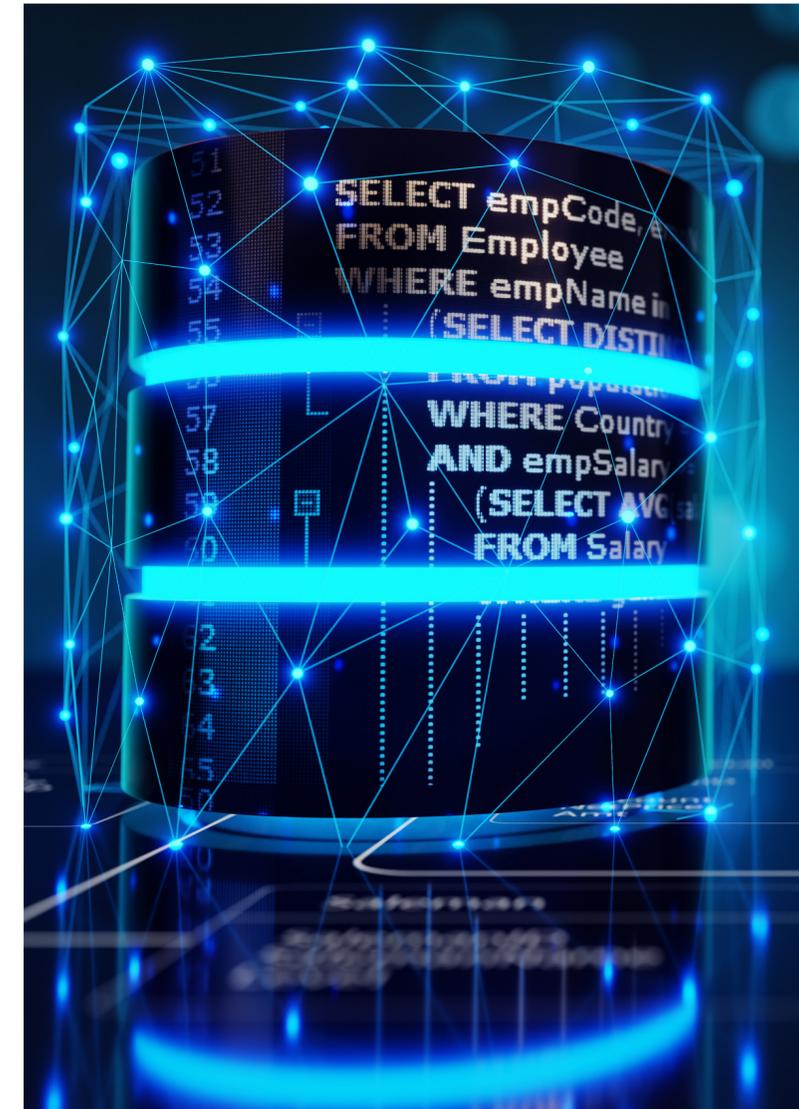


Acquisition continue de données météo?



100s of weather stations

continuous data



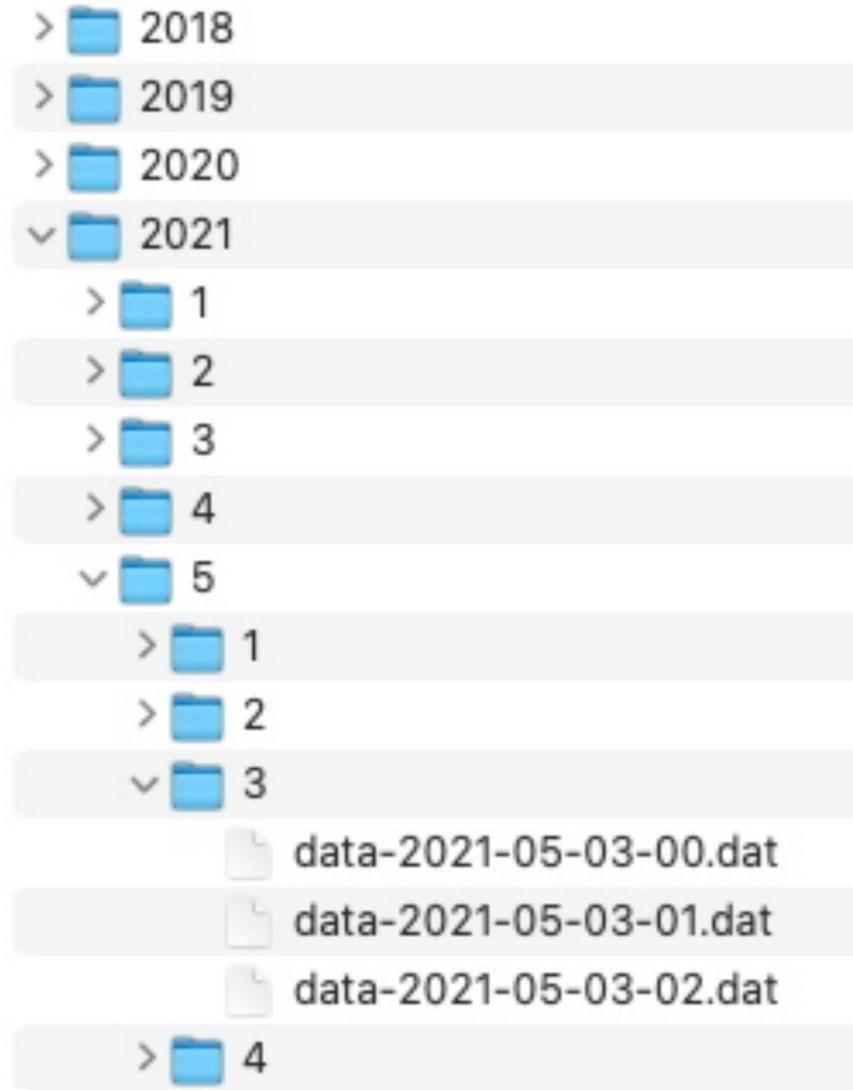
Robust storage, simple queries

Acquisition continue de données météo!



100s of weather stations

continuous data



Robust storage, simple queries:
files in chronological folders

Enregistrement audio numérique robuste?

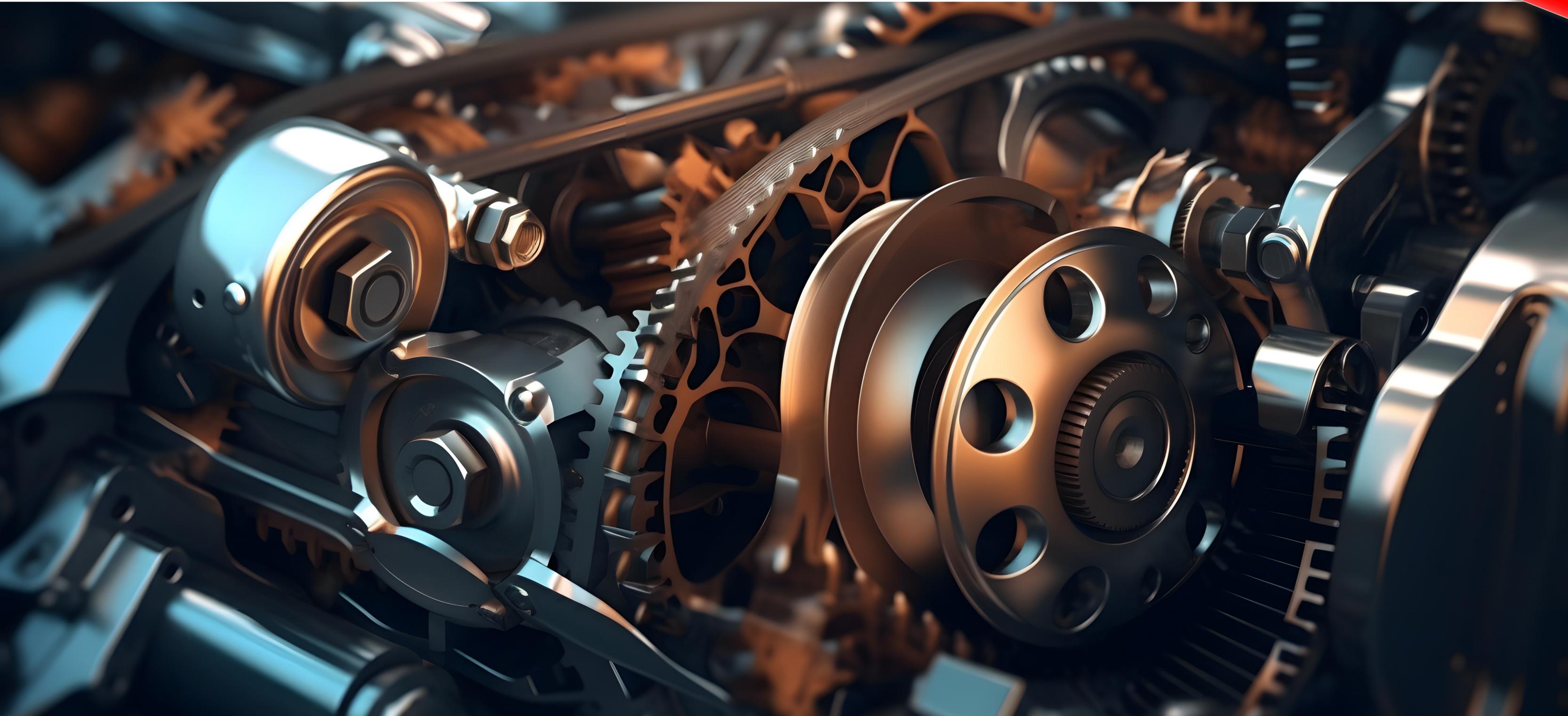
back in 1999



continuous audio recording
never lose more than 15 seconds

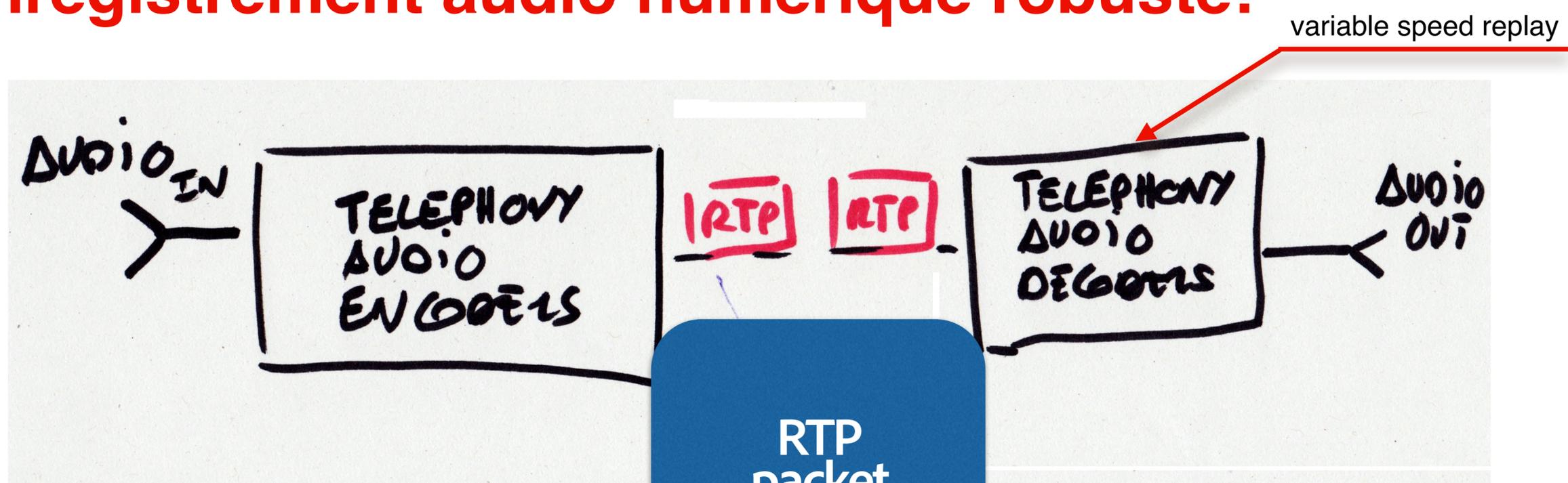
Enregistrement audio numérique robuste??

complicated??

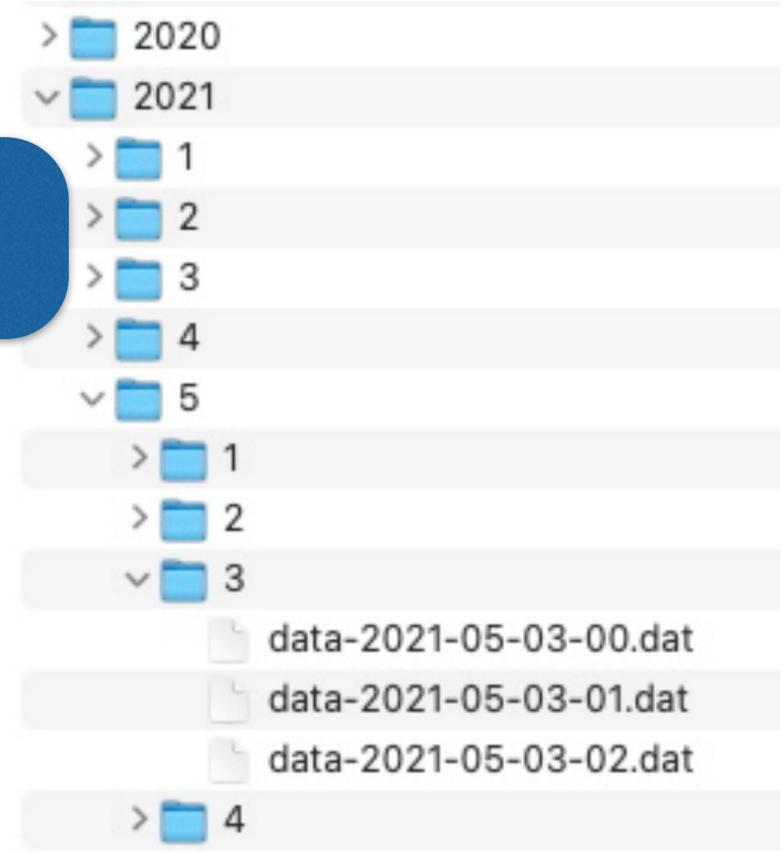


Enregistrement audio numérique robuste!

26 lines of code - 3 months of work



```
s = UDP socket
While(s is open) {
  Wait for packet
  Packet matches our filter?
  If yes:
    Compute storage path from T
    Append packet to storage file
}
```



Web Components pour une page de commerce?

<https://opensource.adobe.com/web-platform-zoo>

Cart: 7 products, 38 items, USD 540 - [Cart contents](#)



Blue bottle

+ 3 -

USD 17: 3 in cart → USD 51

This one is really blue



Symmetric knife

+ 11 -

USD 21: 11 in cart → USD 231

Not really, it's just marketing



Fantastic bottle

+ 4 -

USD 19: 4 in cart → USD 76

This bottle is really fantastic



Super bread knife

+ 0 -

USD 8: 0 in cart → USD 0

Stainless steel, the works!



East white

+ 11 -

USD 5: 11 in cart → USD 55

Eastern is bestern



Soft South Red

+ 5 -

USD 15: 5 in cart → USD 75

Soft but not weak!



Kitchen knife

+ 2 -

USD 10: 2 in cart → USD 20

A must for every kitchen



White from the South

+ 0 -

USD 6: 0 in cart → USD 0

Web Components pour une page de commerce??

<https://opensource.adobe.com/web-platform-zoo>

STATUS Cart: 7 products, 38 items, USD 540 - [Cart contents](#)

IMAGE	PRODUCT	TITLE	SLIDER	PRICE	TEXT		
				Blue bottle	Symmetric knife	Fantastic bottle	Super bread knife
				+ 3 -	+ 11 -	+ 4 -	+ 0 -
				USD 17: 3 in cart → USD 51	USD 21: 11 in cart → USD 231	USD 19: 4 in cart → USD 76	USD 8: 0 in cart → USD 0
				<i>This one is really blue</i>	<i>Not really, it's just marketing</i>	<i>This bottle is really fantastic</i>	<i>Stainless steel, the works!</i>
				East white	Soft South Red	Kitchen knife	White from the South
				+ 11 -	+ 5 -	+ 2 -	+ 0 -
				USD 5: 11 in cart → USD 55	USD 15: 5 in cart → USD 75	USD 10: 2 in cart → USD 20	USD 6: 0 in cart → USD 0
				<i>Eastern is bestern</i>	<i>Soft but not weak!</i>	<i>A must for every kitchen</i>	

PRODUCT LIST

Web Components pour une page de commerce!

https://opensource.adobe.com/web-platform-zoo

STATUS Cart: 7 products, 38 items, USD 540 - [Cart contents](#)

HTML TEMPLATE

INC-DEC

 Blue bottle + 3 - USD 17: 3 in cart → USD 51 <i>This one is really blue</i>	 Symmetric knife + 11 - USD 21: 11 in cart → USD 231 <i>Not really, it's just marketing</i>	 Fantastic bottle + 4 - USD 19: 4 in cart → USD 76 <i>This bottle is really fantastic</i>	 Super bread knife + 0 - USD 8: 0 in cart → USD 0 <i>Stainless steel, the works!</i>
 East white + 11 - USD 5: 11 in cart → USD 55 <i>Eastern is bestern</i>	 Soft South Red + 5 - USD 15: 5 in cart → USD 75 <i>Soft but not weak!</i>	 Kitchen knife + 2 - USD 10: 2 in cart → USD 20 <i>A must for every kitchen</i>	 White from the South + 0 - USD 6: 0 in cart → USD 0

PRODUCT LIST

AI 1Y STATUS
(INVISIBLE)

simple, mais pas simpliste!

Comment faire?





**l'importance
de la
simplicité**

La quête de simplicité



N'abandonnez pas - essayez encore!



Mesurer, évaluer



Il semble que la perfection soit atteinte non quand il n'y a plus rien à ajouter, mais quand il n'y a plus rien à retrancher.

Antoine de Saint-Exupéry

Définition d'achèvement ("of done")

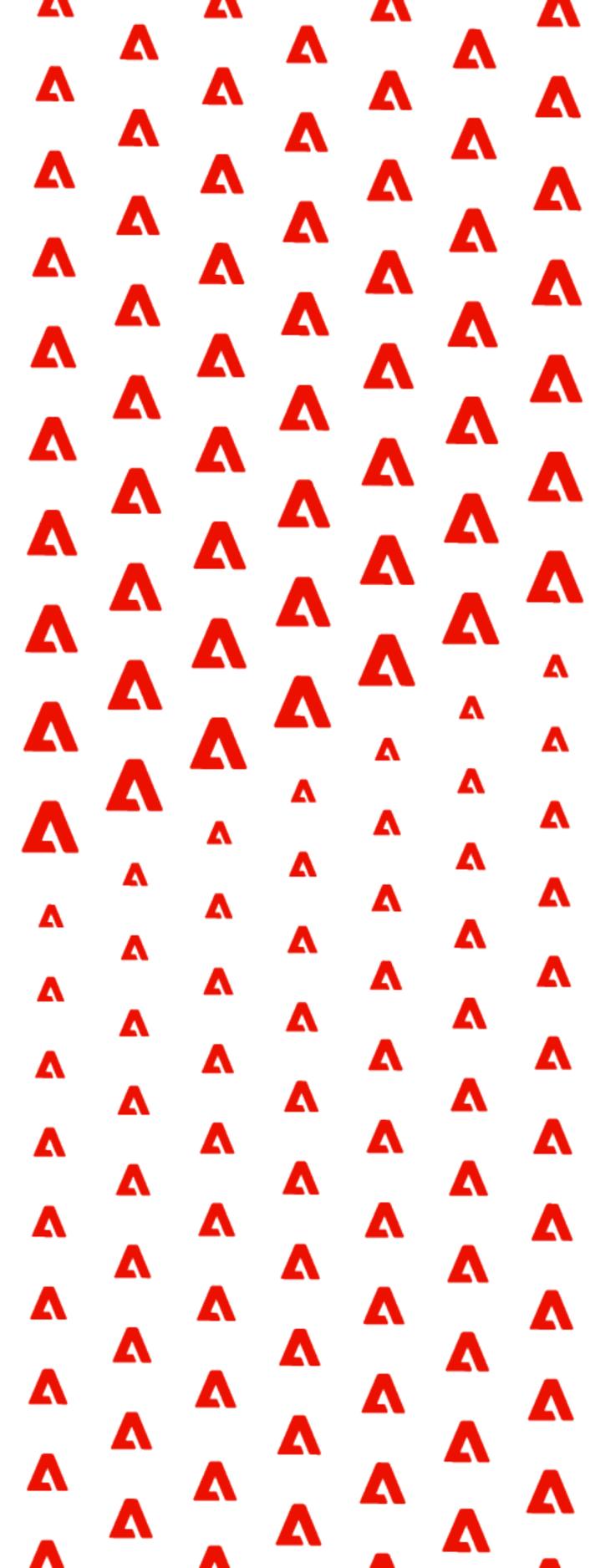


Reste-t-il
quelque chose à
retrancher?

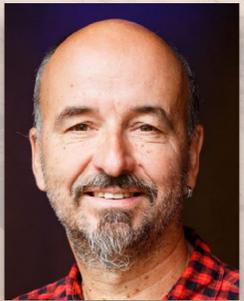


simplicité
splendide et évidente

Coda



SIMPLICITÉ? IMPORTANTE ET DIFFICILE MAIS INTÉGRABLE



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fosstodon.org/@bdelacretaz
grep.codeconsult.ch/