"DNA<>virus platform"

Can make "real virus"? (Unclear)

"DNA<>virus platform"

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# "DNA<>virus platform"

No different from "real virus."

# Certainty / Openness / Nihilism

## Certainty

Empiricism + Theory

Openness

Empiricism + Theory + Skepticism

Nihilism

Empiricism + Theory + Skepticism

Nihilism



Openness

Empiricism + Theory + Skepticism



Nihilism





Openness

Empiricism + Theory + Skepticism



Nihilism





Openness

Empiricism + Theory + Skepticism



Nihilism

Theory + Skepticism



skepticism

Empiricism + Theory



Openness

Empiricism + Theory + Skepticism



Nihilism

Theory + Skepticism



REACTIONISM

Skepticism

# "Virology Is":

## Settled / Provisional / Bunk

Experts

You (if you want)

NAV-ers

aka "Not a Virus" aka virus truthers etc.

Empiricism

You (if you want)

NAV-ers

They aren't real! Toxins (which I also can't see) are!

1.Humans have observed disease transmission with the naked eye for all time

NAV-ers

I can't see them!
They aren't real!
Toxins (which I also can't see) are!

### Experts

Science<sup>TM</sup> says "viruses real." The sequences! Waring blender!

You (if you want)

1.Humans have observed disease transmission with the naked eye for all time

2. "Virus" is a placeholder
concept for "invisible disease transmitting thing"

NAV-ers

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You (if you want)

1. Humans have observed disease transmission with the naked eye for all time

2. "Virus" is a placeholder concept for "invisible disease transmitting thing"

3. Modern understanding of what that "invisible thing" is

NAV-ers

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+ concept for "invisible disease transmitting thing"

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NAV-ers

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THE TRAP OF REACTIONISM

# Pandora's GOF

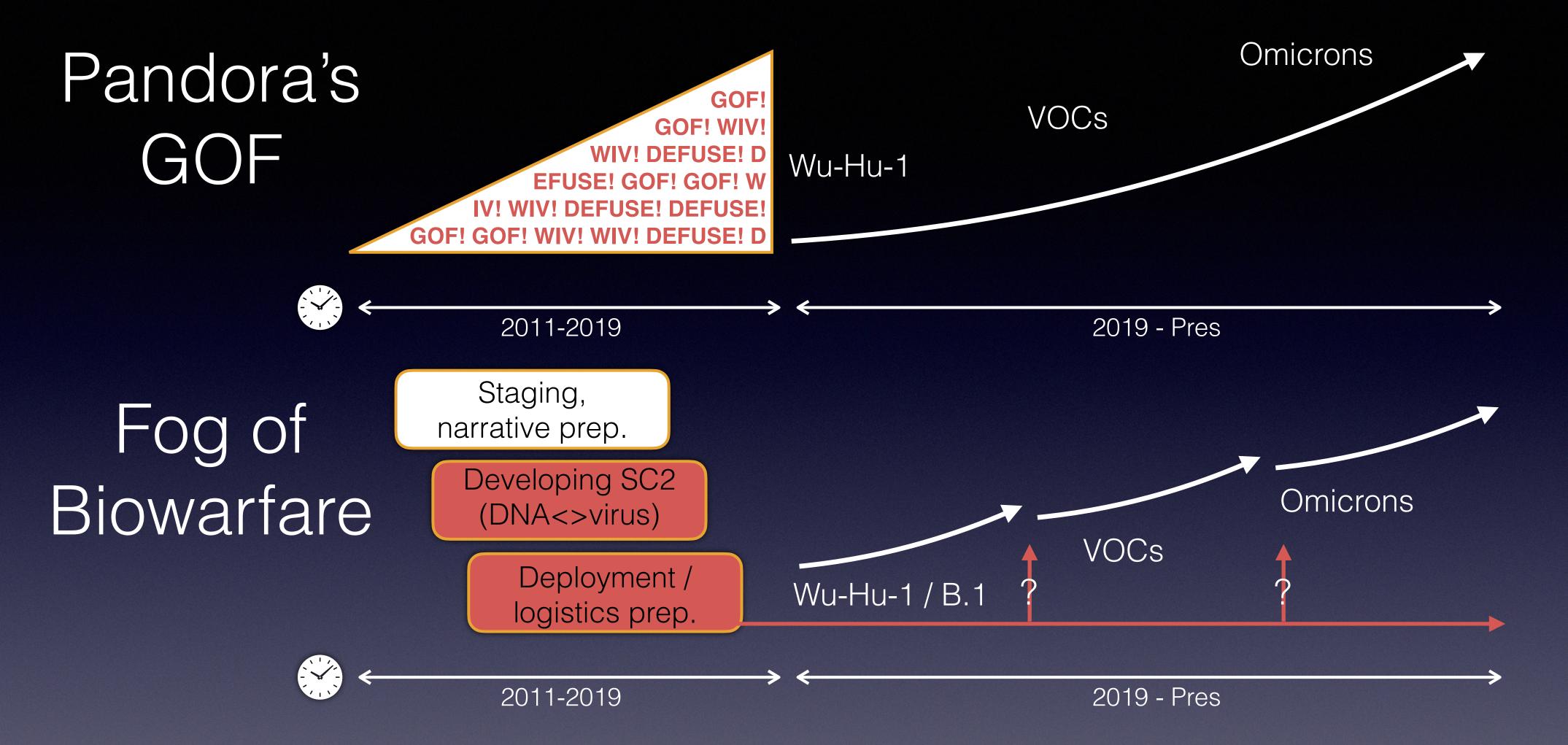
```
Fog of Biowarfare
```

```
"IC" +
Scooby Doo
```

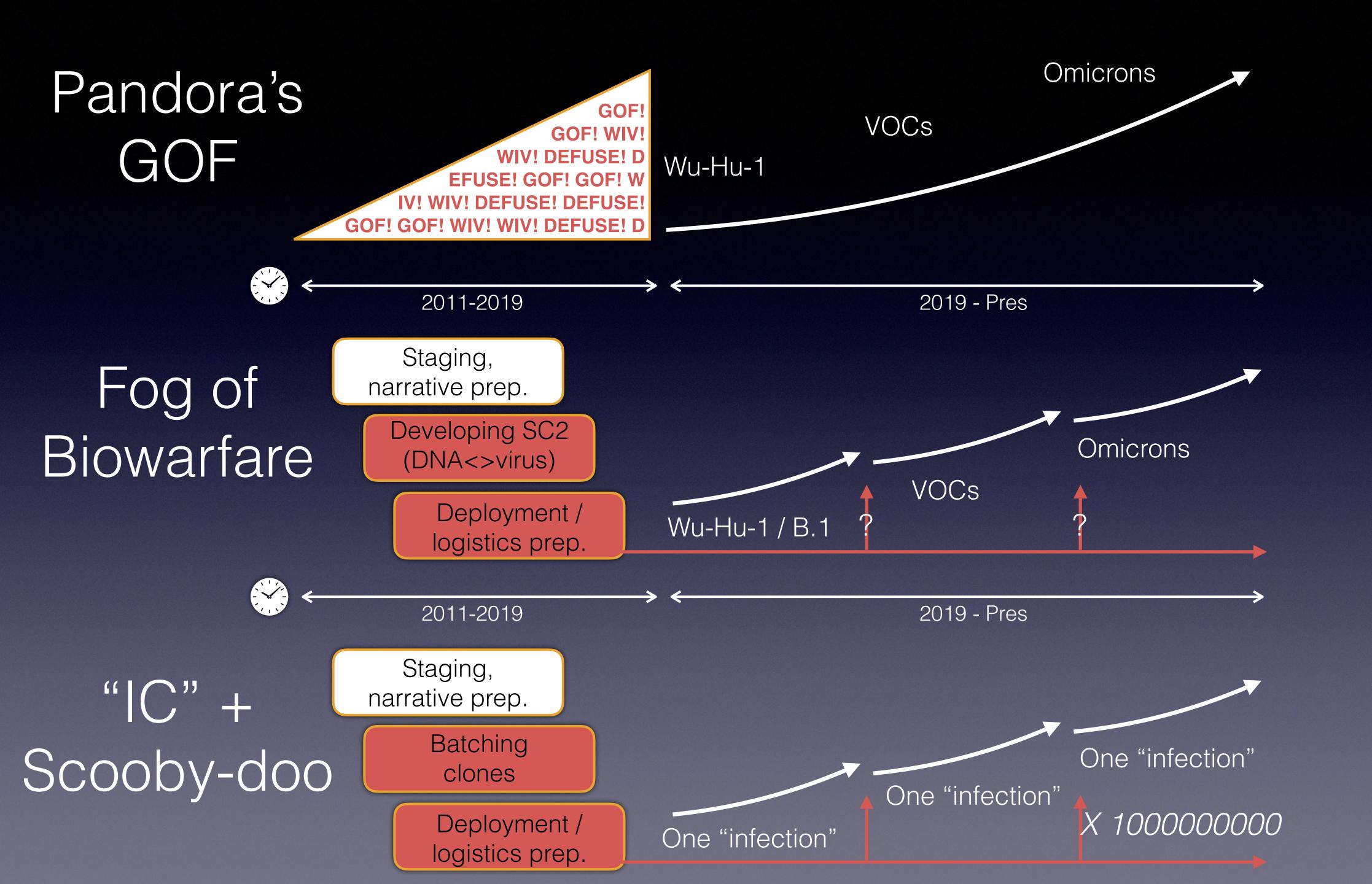


Fog of Biowarfare

"IC" +
Scooby-doo



"IC" +
Scooby-doo

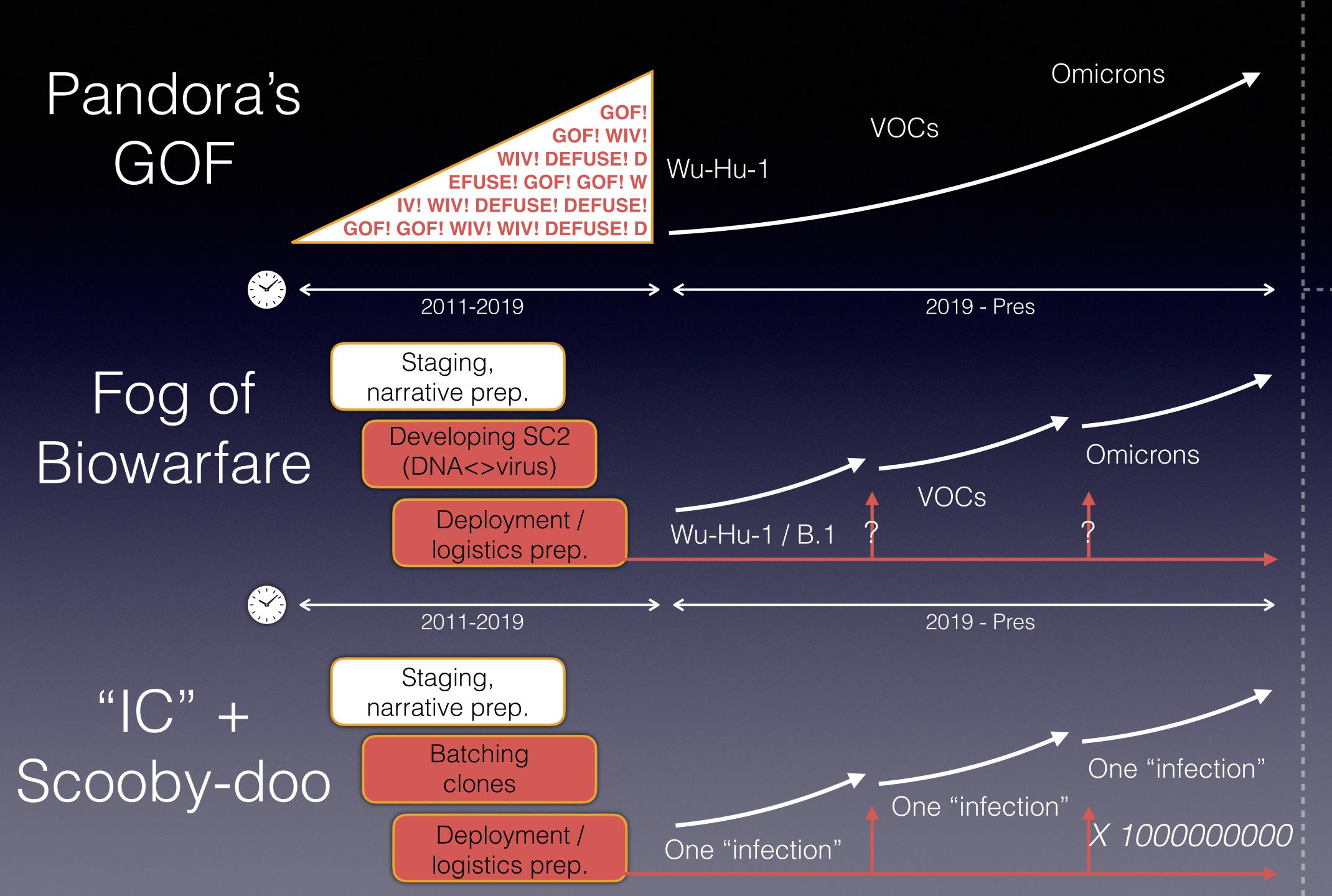


## Same implications

Pandora's GOF

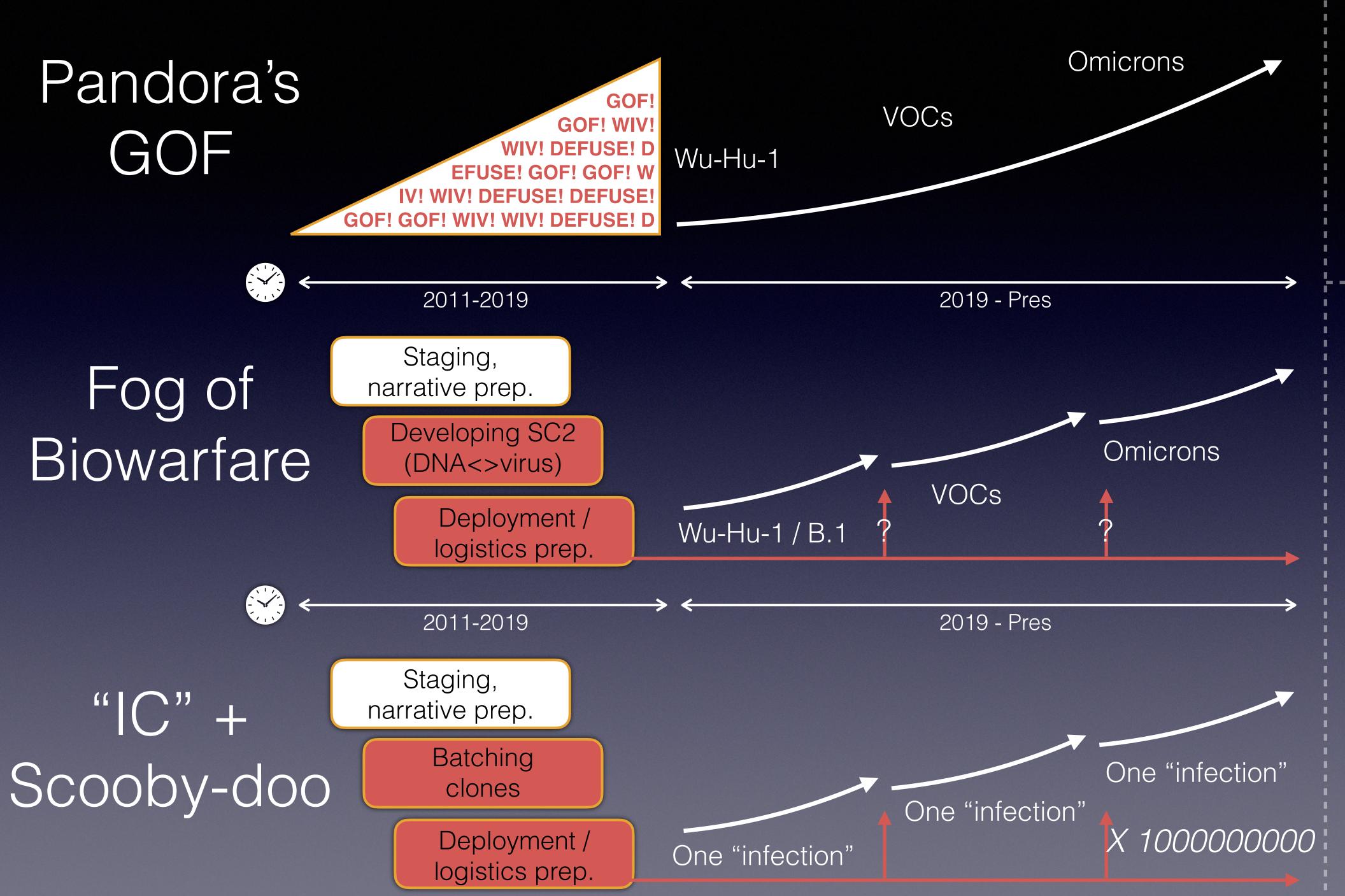
Fog of / "IC" + Scooby Doo

Different weaknesses



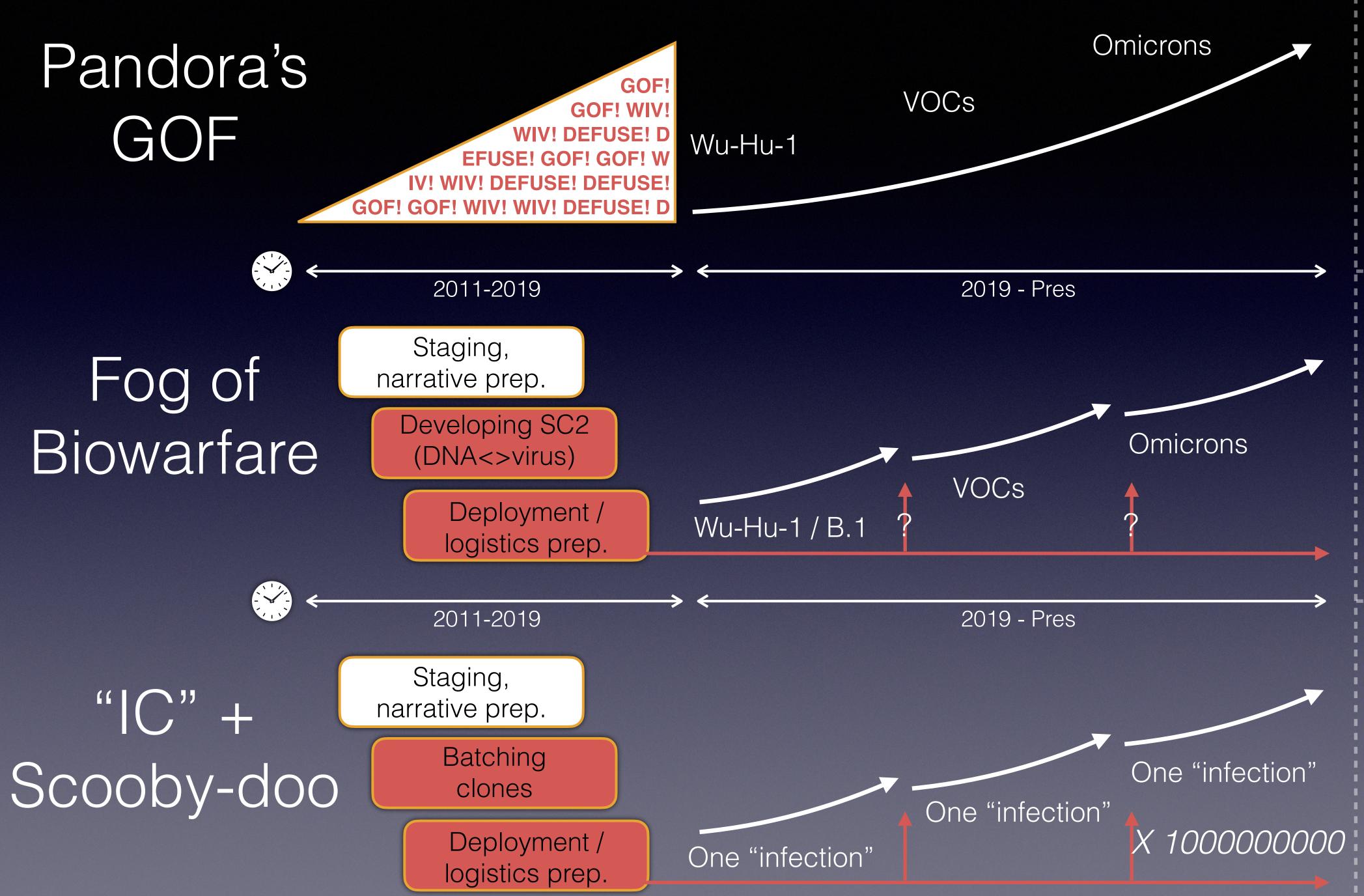
#### Implications

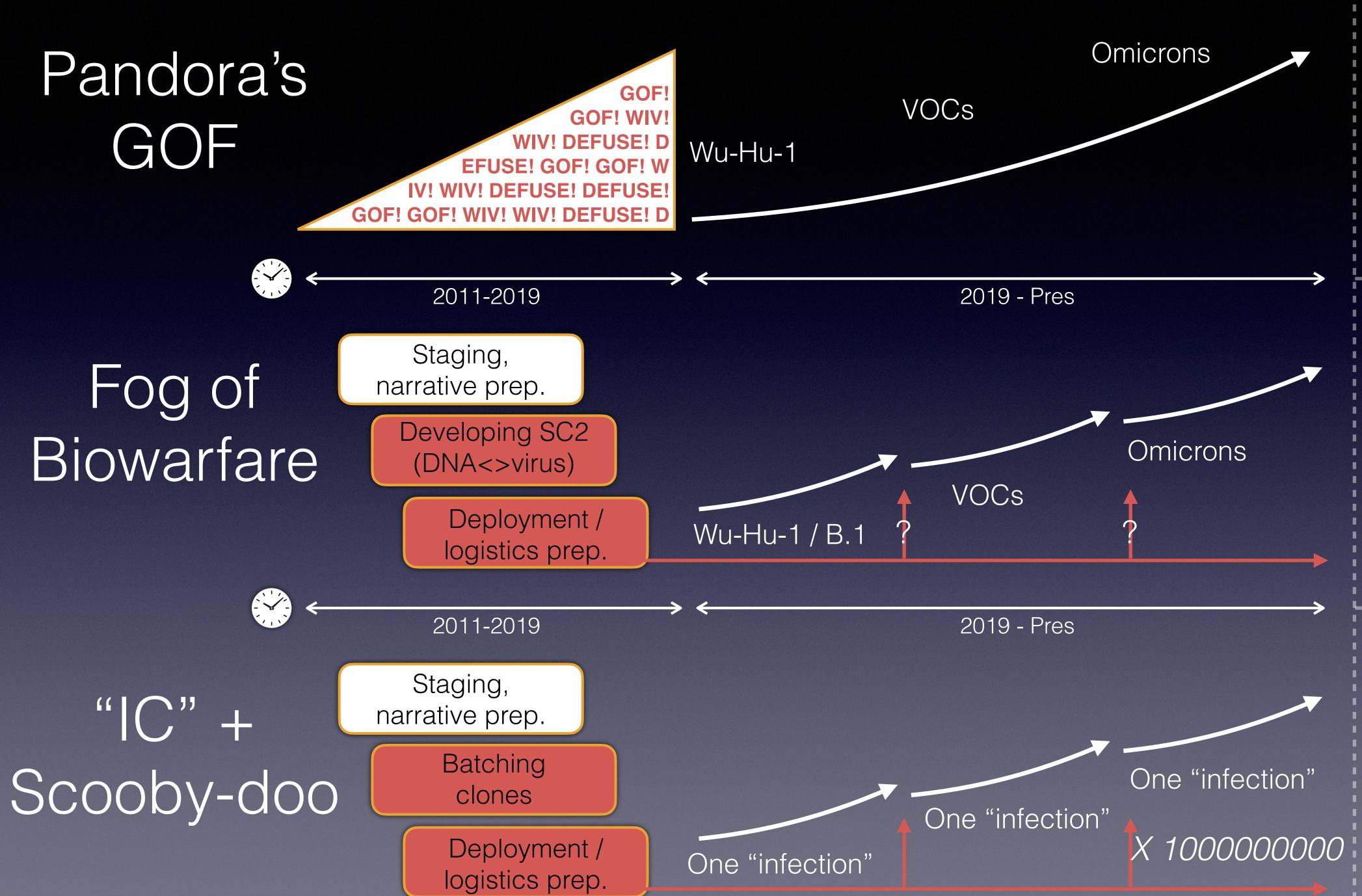
- "Doing GOF" is the only crime
- No infrastructure for deployment was put in place



#### Implications

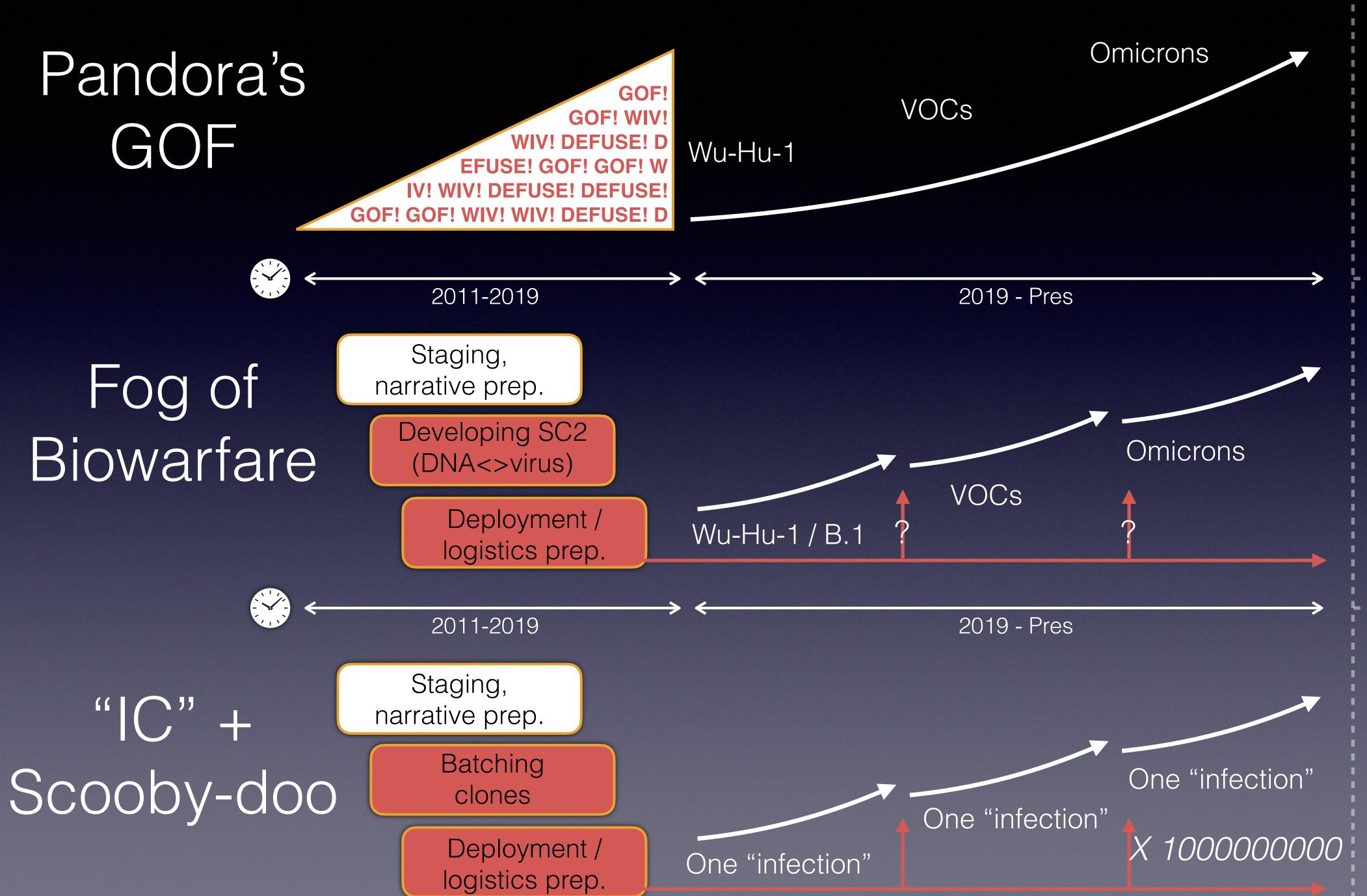
- "Doing GOF" is the only crime
- No infrastructure for deployment was put in place
- Virus development and release was intentional
- •Thus, reasonable that some infrastructure for deployment would have been put in place
- Thus, no reason to rule out some number
  (2 ∞) of multiple releases, updates
- Hence importance of "Infectious clones" (DNA<>virus platforms)





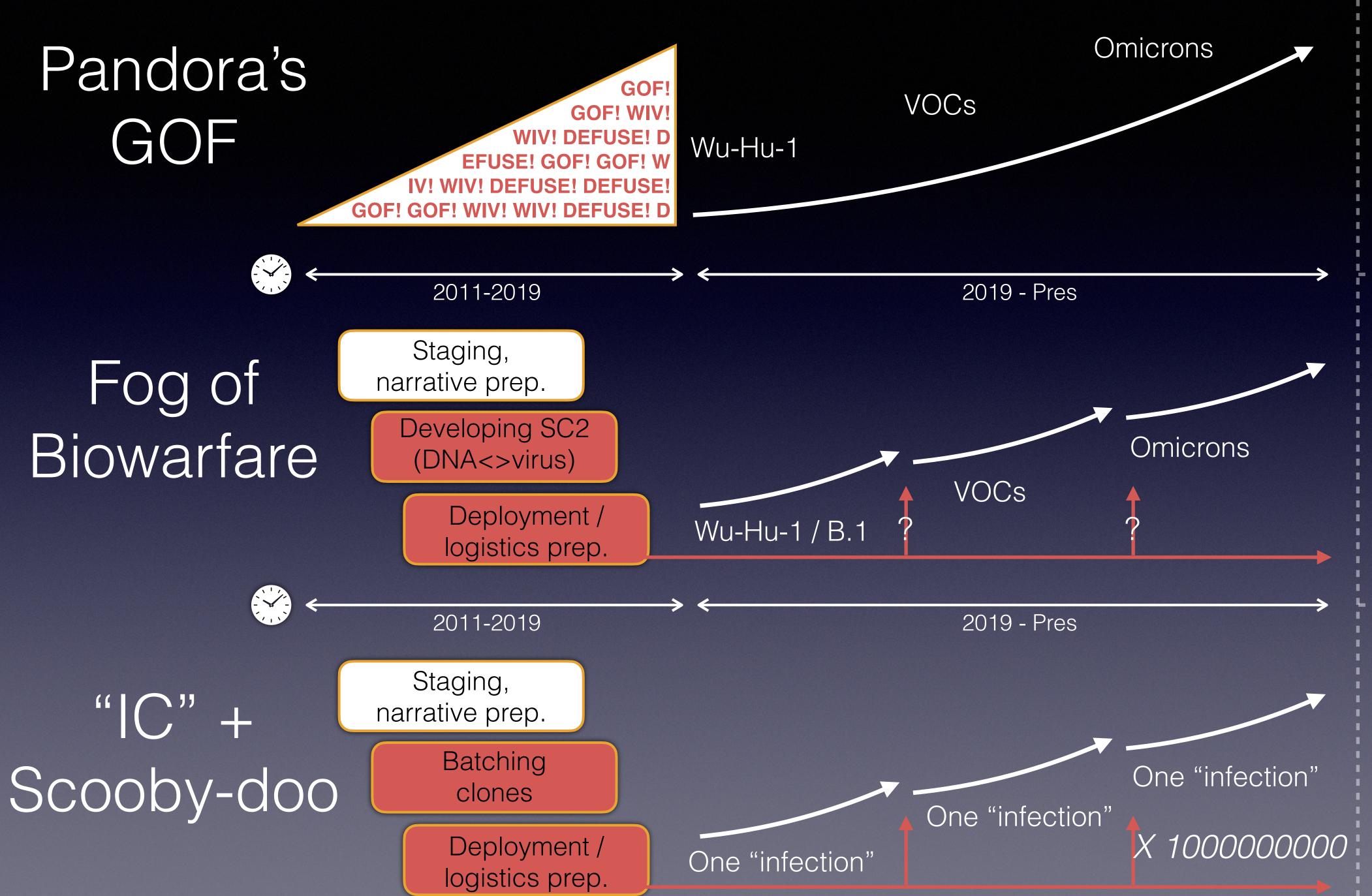
#### Weaknesses

- •Ignores apparent signatures of intention (HIV inserts)
- Has no actual empirical precedent (WIV did not invent GOF)



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- •Ignores apparent signatures of intention (HIV inserts)
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- No proof
   (vs. Pandora's GOF potentially artificial proof)
- Can't lead to "justice" (punish DEFUSE and done)



#### Weaknesses

- •Ignores apparent signatures of intention (HIV inserts)
- Has no actual empirical precedent (WIV did not invent GOF)
- No proof
   (vs. Pandora's GOF
   potentially artificial
   proof)
- Can't lead to"justice" (punishDEFUSE and done)
- Theory is flawed
   ("swarms," RNA
   instability) asserts
   impossible what is
   possible
  - Doesn't match observations