TALKING SCIENCE, SPEAKING POWERPOINT

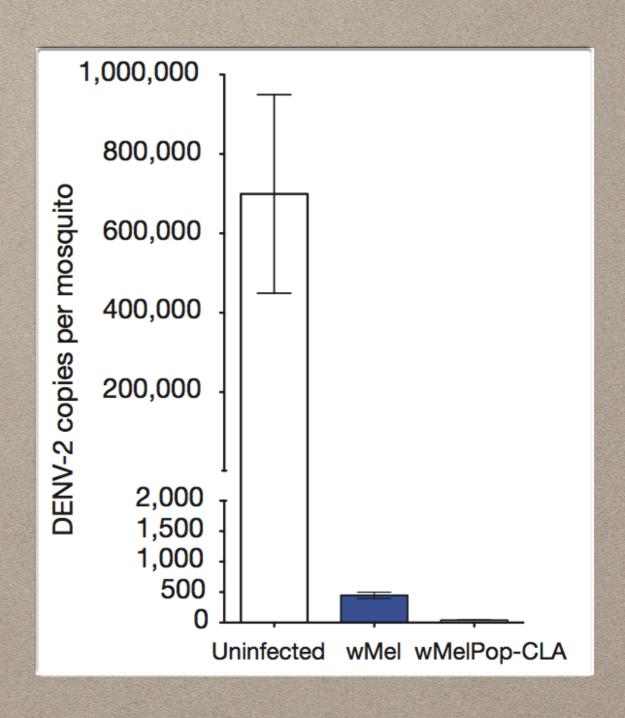
N. DEAN PENTCHEFF
MARINE BIODIVERSITY CENTER

FORM AND FUNCTION

- What is the talk?
- How is it crafted?

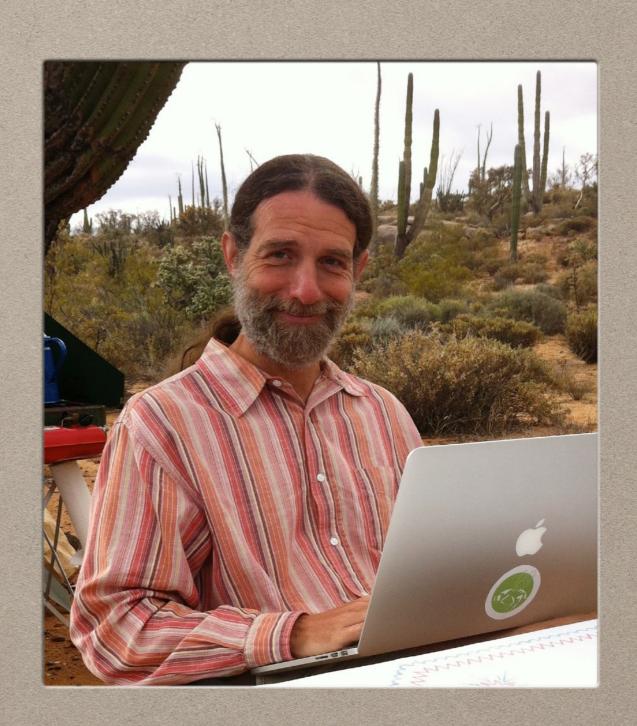
WHAT IS THE POINT?

- Are you promoting ideas?
 Yourself? Techniques?
- What objective content do you need to convey?
- What do you want the audience to walk away with?
- How do you want them to feel?



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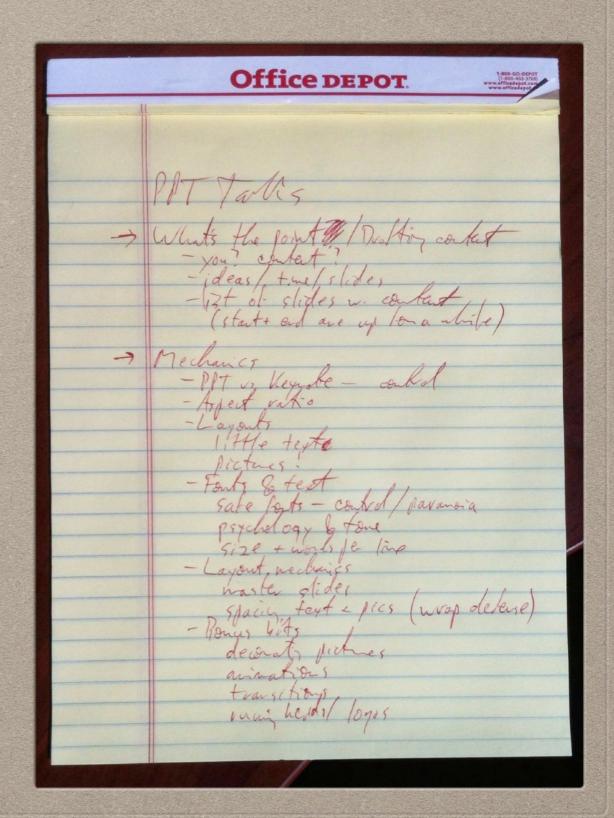


IDEAS, SLIDES, AND TIME

- You have to:
 - I) Set the context
 - II) Deliver the content
 - III) Wrap up and conclude
- Talk time vs. number of ideas
 5 minute talk: 1 idea
 15 minute talk: 3 ideas
- Very roughly: 1 slide / minute

DRAFTING THE TALK

- Make a one-page list of topics and slides
- Highlight photos and data graphics you need
- The first and last slides may be up for a while



MECHANICS OF THE SHOW



- Keynote
 - Easier to be gracious
 - Mac only
- Powerpoint
 - Easier to be ugly and clunky
 - Cross-platform
- Base it on presentation control
- It is possible, but tricky, to convert one to the other

ASPECT RATIO

Choice depends on knowledge of your venue
 You can usually go with "Wide" these days

Standard 4:3

Bummer

Correct



Wide 16:9

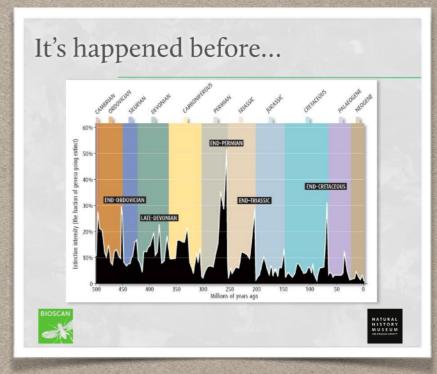




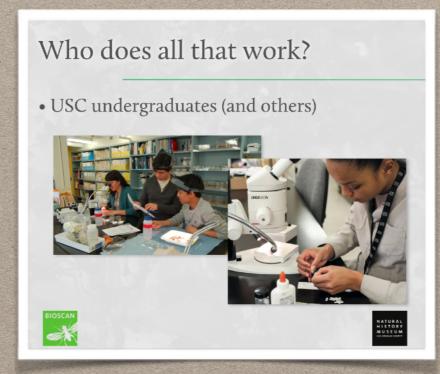
INDIVIDUAL SLIDE LAYOUT

- Use little text
 Notes, not narrative
- Use images
 Viewing beats reading

Title & Image



Title & Images



WHAT IS THE POINT?

- Are you promoting yourself?
- Is there objective content you need to convey?
- What do you want the audience to walk away with?
- How do you want them to feel?



Title,
Text &
Image

INDIVIDUAL SLIDE LAYOUT

- Use as little text as possible
 - More text is not useful, it is distracting
 - Viewers will be reading your text rather than listening to you speak
 - Use your text as a cue to yourself to speak,
 rather than as a detailed exposition
- · Use diagrams and pictures whenever possible
 - Viewers are able to comprehend a picture at a single glance, rather than reading it linearly
 - Graphics communicate detailed information better than text or voice alone
 - · Unbroken text gets wearing on the audience

FORMAT AND FONTS

Style Matters

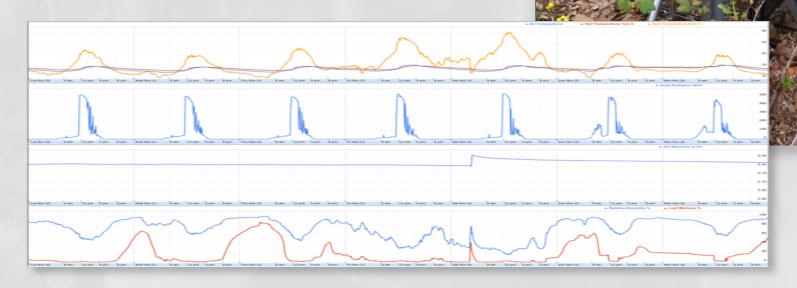
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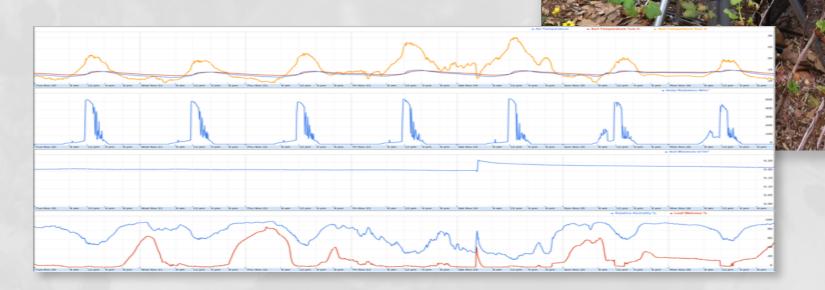
- Solar radiation
- Condensing moisture
- Air temp & RH
- (Solar power & logger)
- Soil temp at 1 & 5 cm
- Soil moisture

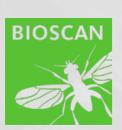






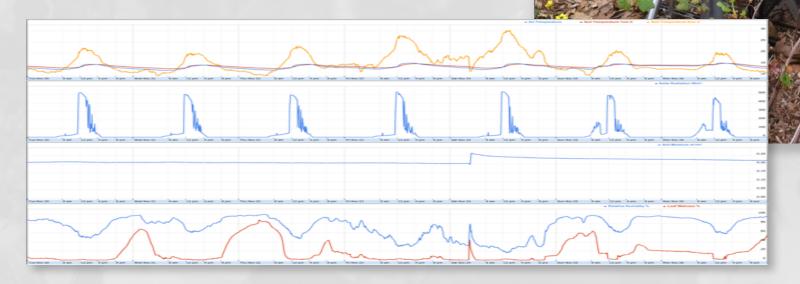
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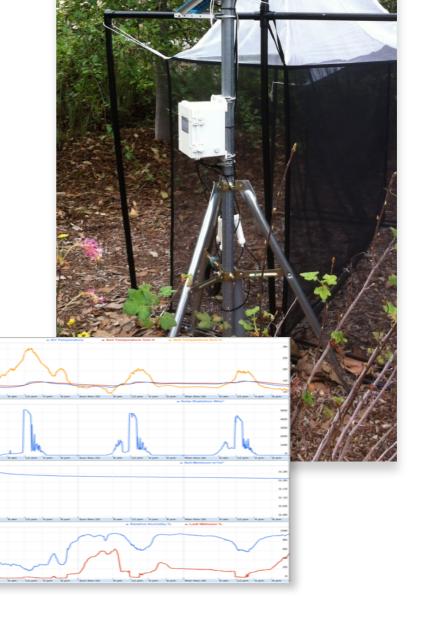
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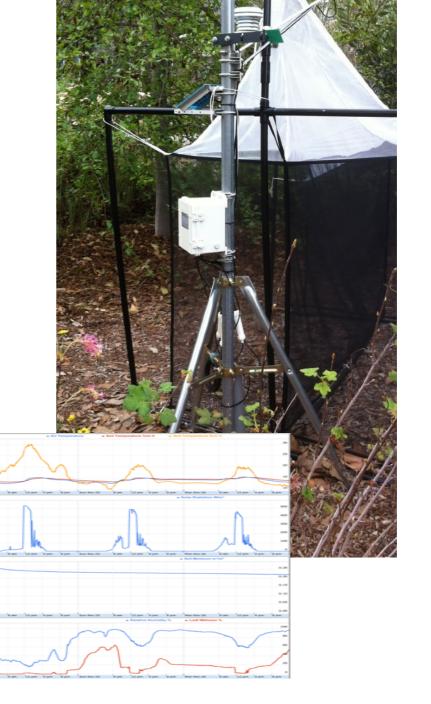




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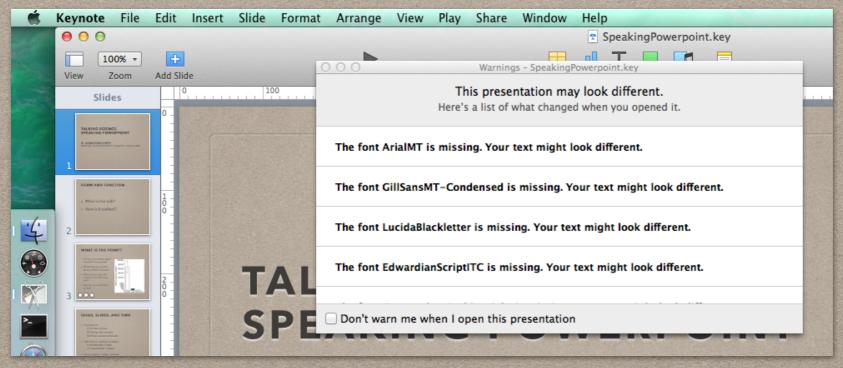
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FONT CHOICE: APPROPRIATE PARANOIA

- If you know you'll use your own laptop:
 Anything goes you have complete control
- Otherwise:

Be paranoid, use safe fonts and extra space



This is what you don't want to see

FONT CHOICE: APPROPRIATE PARANOIA

- Font paranoia
 Arial, Georgia, Times (not: Calibri, Comic Sans)
- Layout paranoia
 Leave extra space for unexpected wraps

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Original

Originally in Arial Narrow, two lines of text

Originally in Arial Narrow, two lines of text

not enough space here

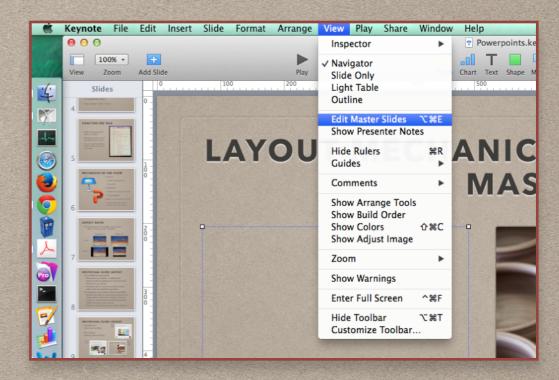
Substitute font: Arial Ouch

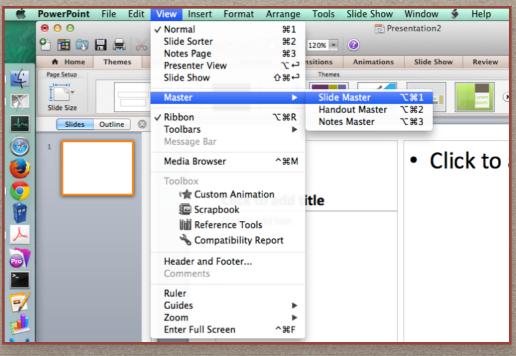
Originally in Arial National States of text

Originally in Arial Narrow, two lines of text

LAYOUT MECHANICS: MASTER SLIDES

- Master slides apply to all slides of that format
- Use master slides for:
 - Backgrounds
 - Fonts
 - Logos / Footers
- Changing the master slide changes everything





LAYOUT MECHANICS: IMAGES



Original



Drop shadow: Picture frame

Blur: 4pt

Offset: 2pt

Opacity: 50%

Angle: 328°





Line (fancy)

Text animations

All at once

Text animations

- By bullet group
- Sections come up
 - subsections included
 - reveal consecutive ideas

Text animations

- By bullet
- Lines come up
 - subsections individually
 - reveal consecutive lines

Text animations

- By bullet
- Lines come up
 - subsections individually
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Image animations



Text animations

- By bullet
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Image animations



Identically-sized, second image dissolves in over first image

Text animations

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More complex animations



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More complex animations

1. Build in on click

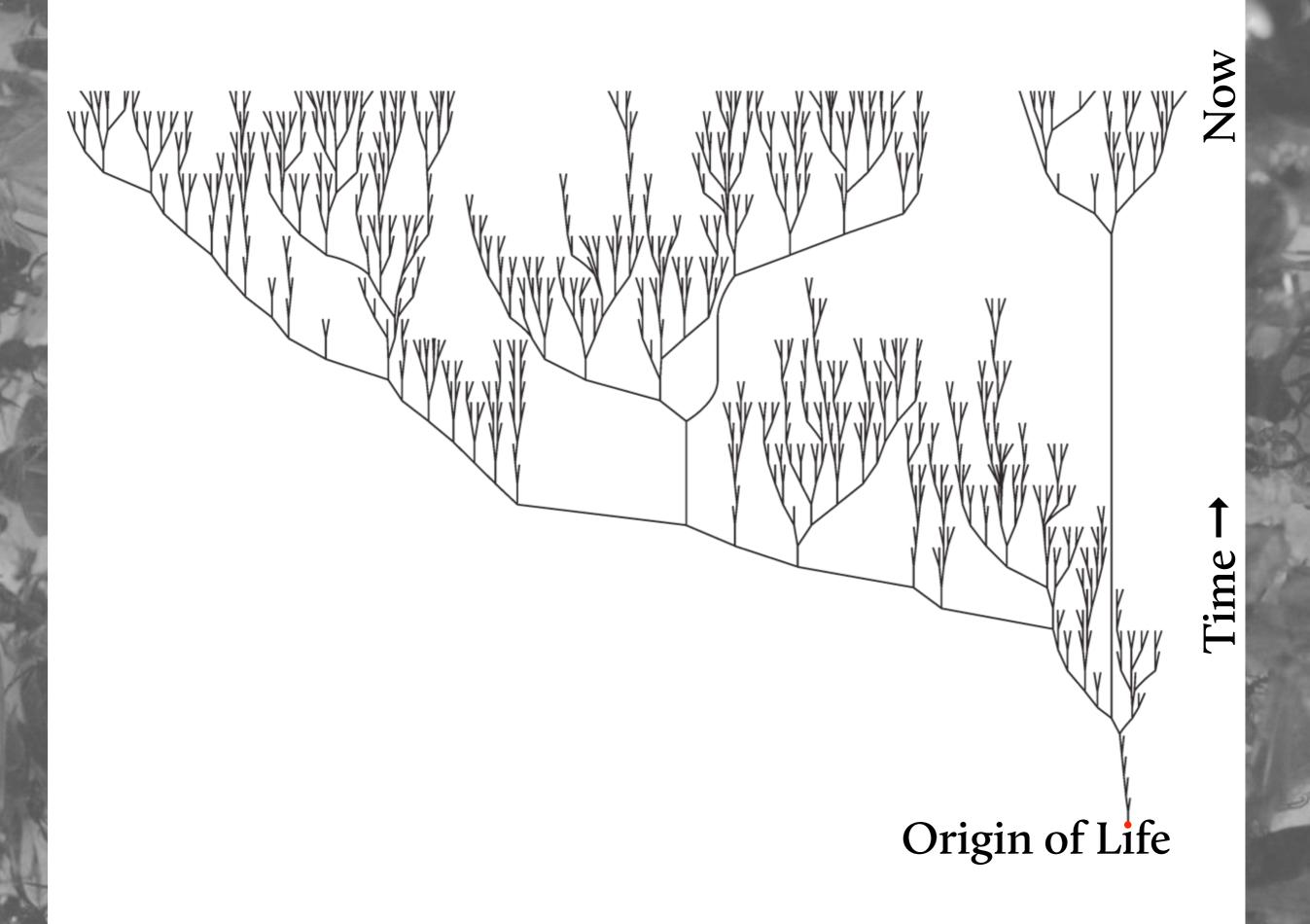
2. Build **out** on click

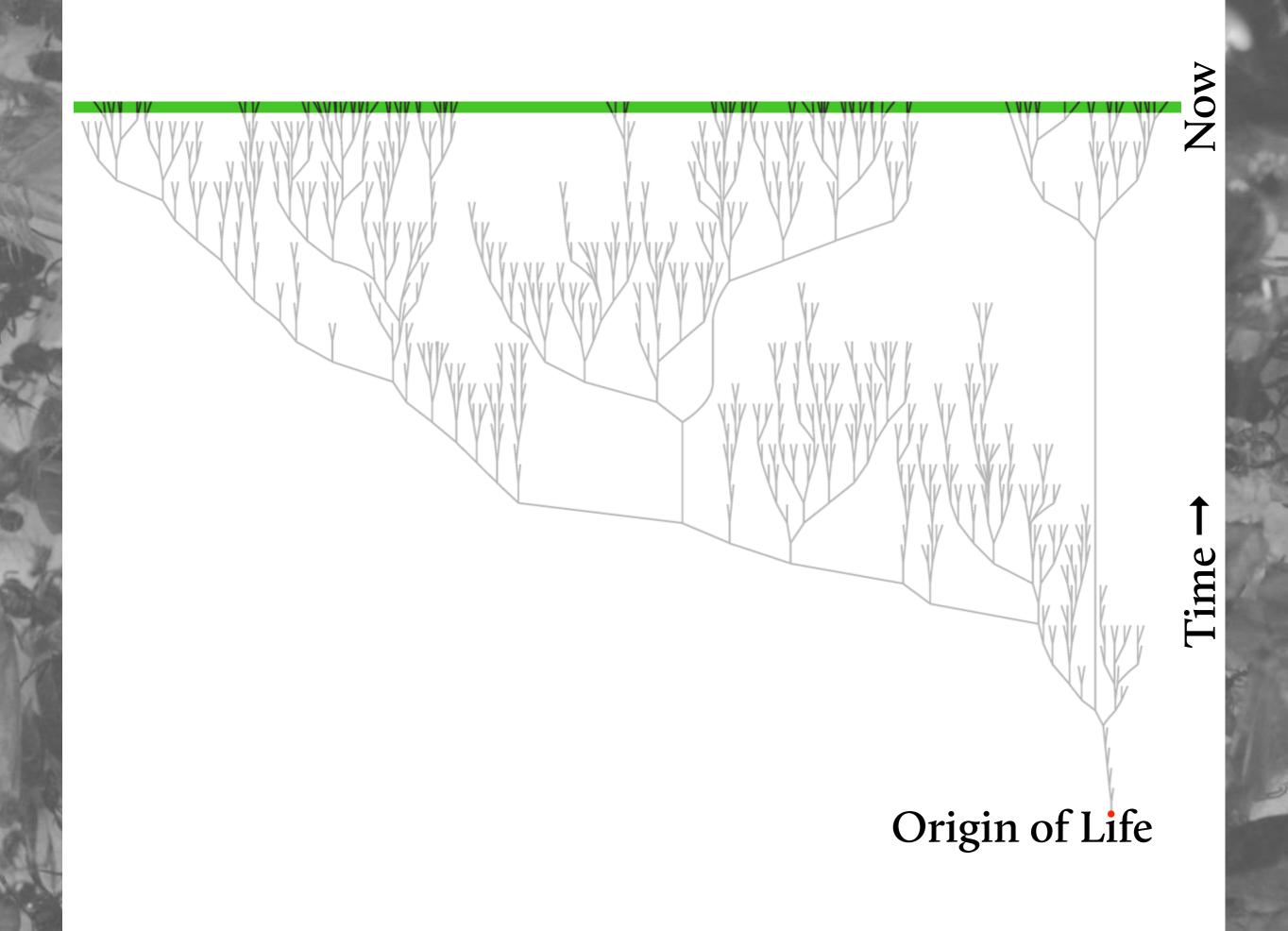
3. Build **in** with previous build

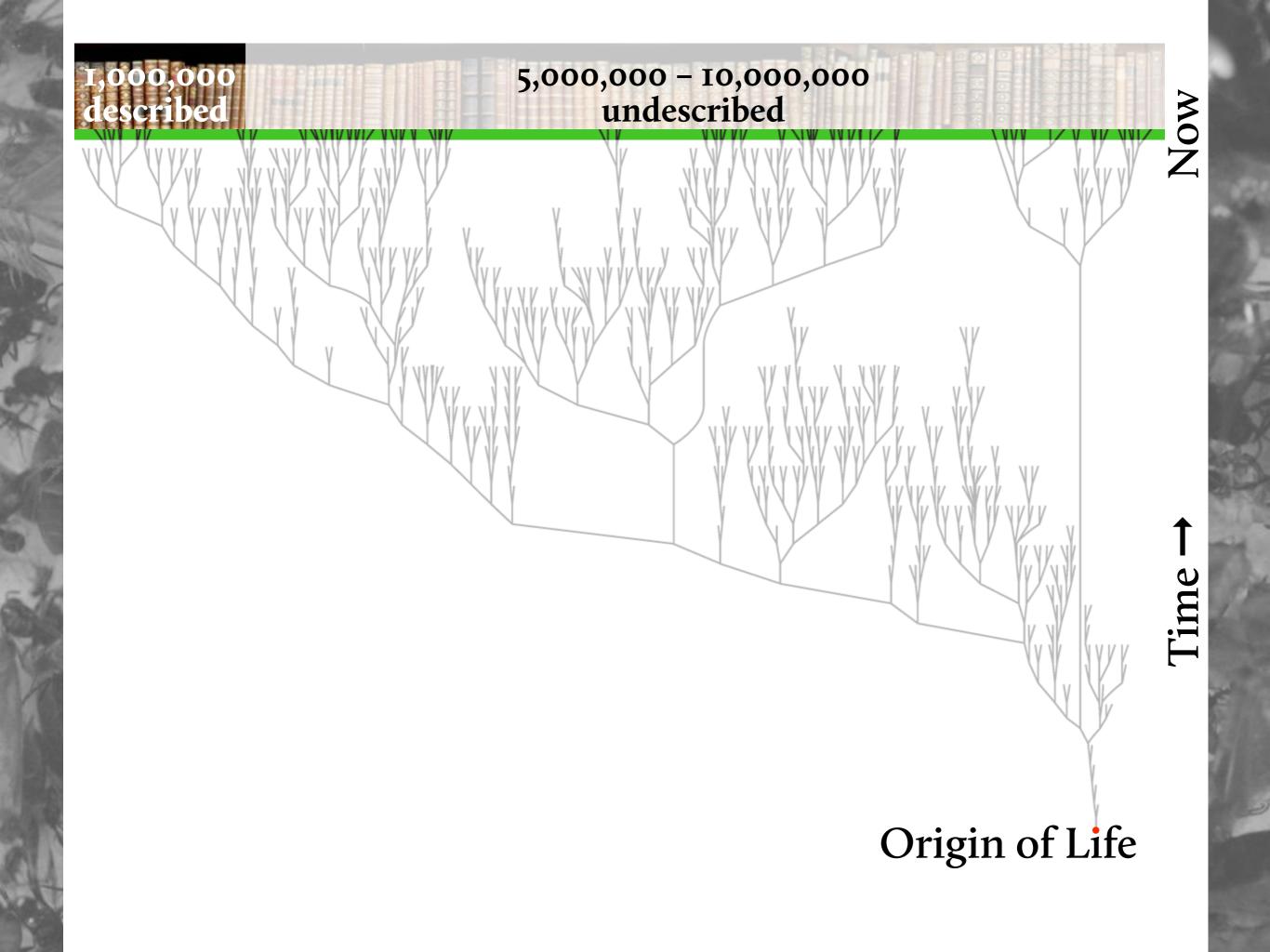
Where did the diversity we have today come from?

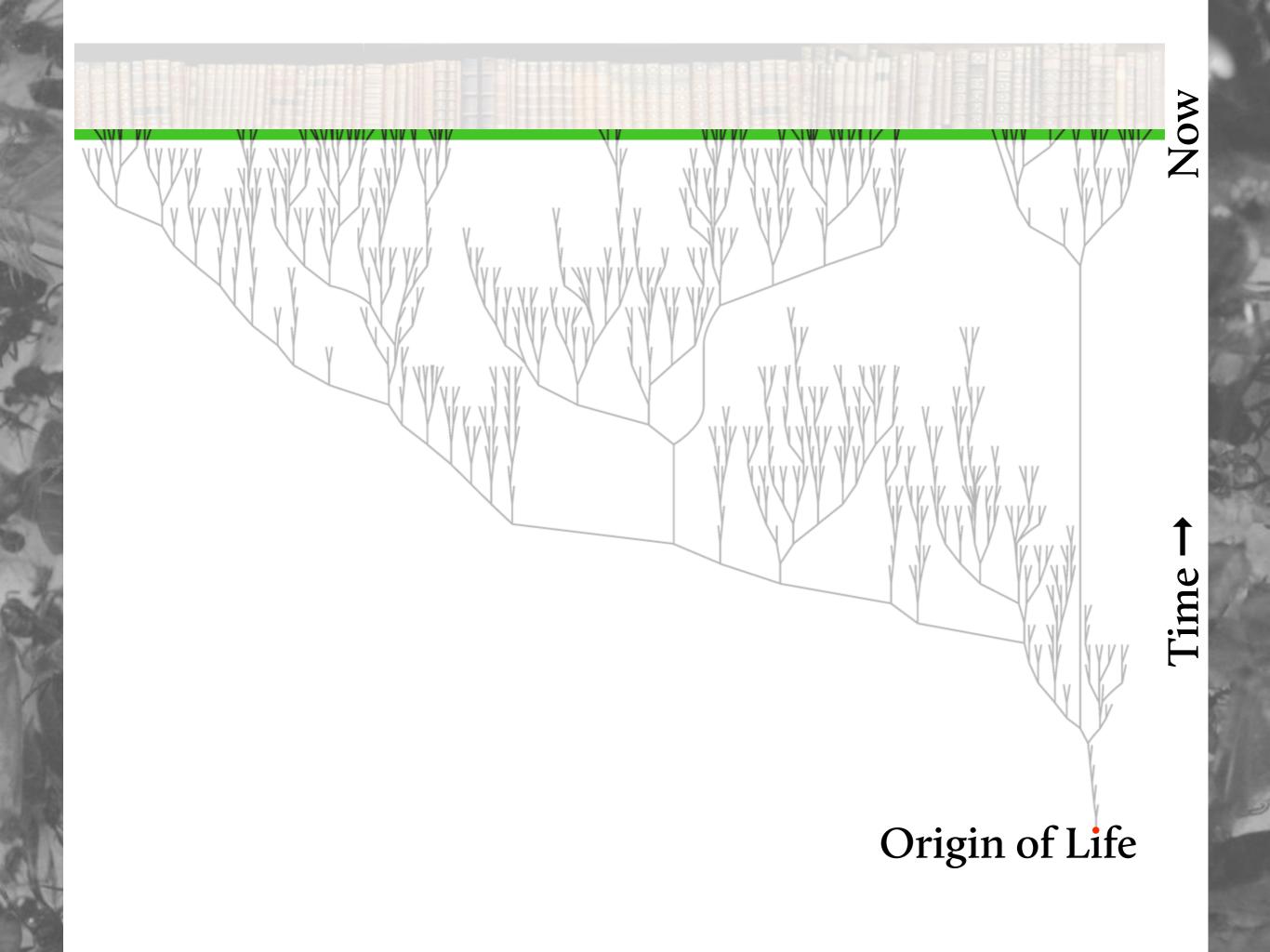
Origin of Life

Origin of Life









SUMMARIZING

- Decide what to say
- Outline points and slides
- Little text, many images
- Make form fit function
- Be concise trim

"Perfection is achieved, not when there is nothing more to add, but when there is nothing left to take away."

-Antoine de Saint-Exupéry