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Improvements and new features in the 7th major release of the Bio-Linux distro
Contents

- History of Bio-Linux?
- Who uses it?
- What's new in Version 7?
- What are we planning for the future?
A quick history of Bio-Linux

- Started for a specific group of users
- Single system image, no packages
- EMBOSS + STADEN “killer apps”
A quick history of Bio-Linux

- Since 2008 a customised Ubuntu image
- Close links with Debian Med
Developer Interactions
Known users of Bio-Linux
What goes on Bio-Linux?

- Must be freely redistributable, ideally FOSS
- Marker gene analysis, metagenomics pipelines
- General conversion and formatting tools
- Things that are already packaged (Debian Med)
- Things that NERC users ask for
- Things that make the system more user-friendly
- Priority is to make things better for existing users than to find new ones
New in version 7
New in version 7

AmpliconNoise

Quantitative Insights Into Microbial Ecology
New in version 7

Summary

<p>| | |</p>
<table>
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<td>Recommended Name</td>
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Amino Acid composition

- C
- E
- D
- N
- P
- Q
- R
- S
- G
- H
- T
- V
- Y
- W

New in version 7

• Also...

  • FastQC – nextgen quality assessment
  • Bowtie-Bio tools
  • Several NGS assemblers
  • and of course latest EMBOSS + STADEN (gap5)
Teaching on Bio-Linux
Teaching and Outreach

elixir-europe.org ← EOS

environmentalomics.org →

elixir-europe.org ←

elixir
Future

- Continue to do what we're good at
- More developer time wanted (always!)
- More tutorial/course material
- More focus on VM/Cloud
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