CLUSTER-Z INDIVIDUAL MEASUREMENTS

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Cluster-z Individual measurements

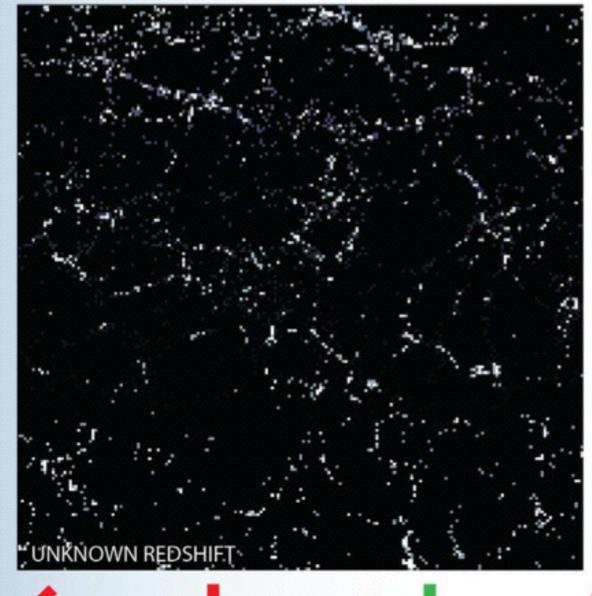
I Concept

II Preselection in colors space

III Individual measurements: preliminary results

IV Next step: explore the Euclid Mice 2 simulation

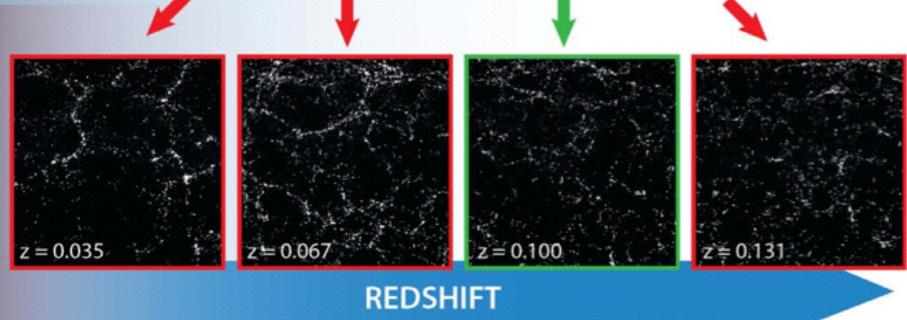
Concept:



Matching on-sky structure in reference redshift slice with selected (unknown) sample

$$\langle \delta_{\rm ref} . \delta_{\rm unknown} \rangle$$

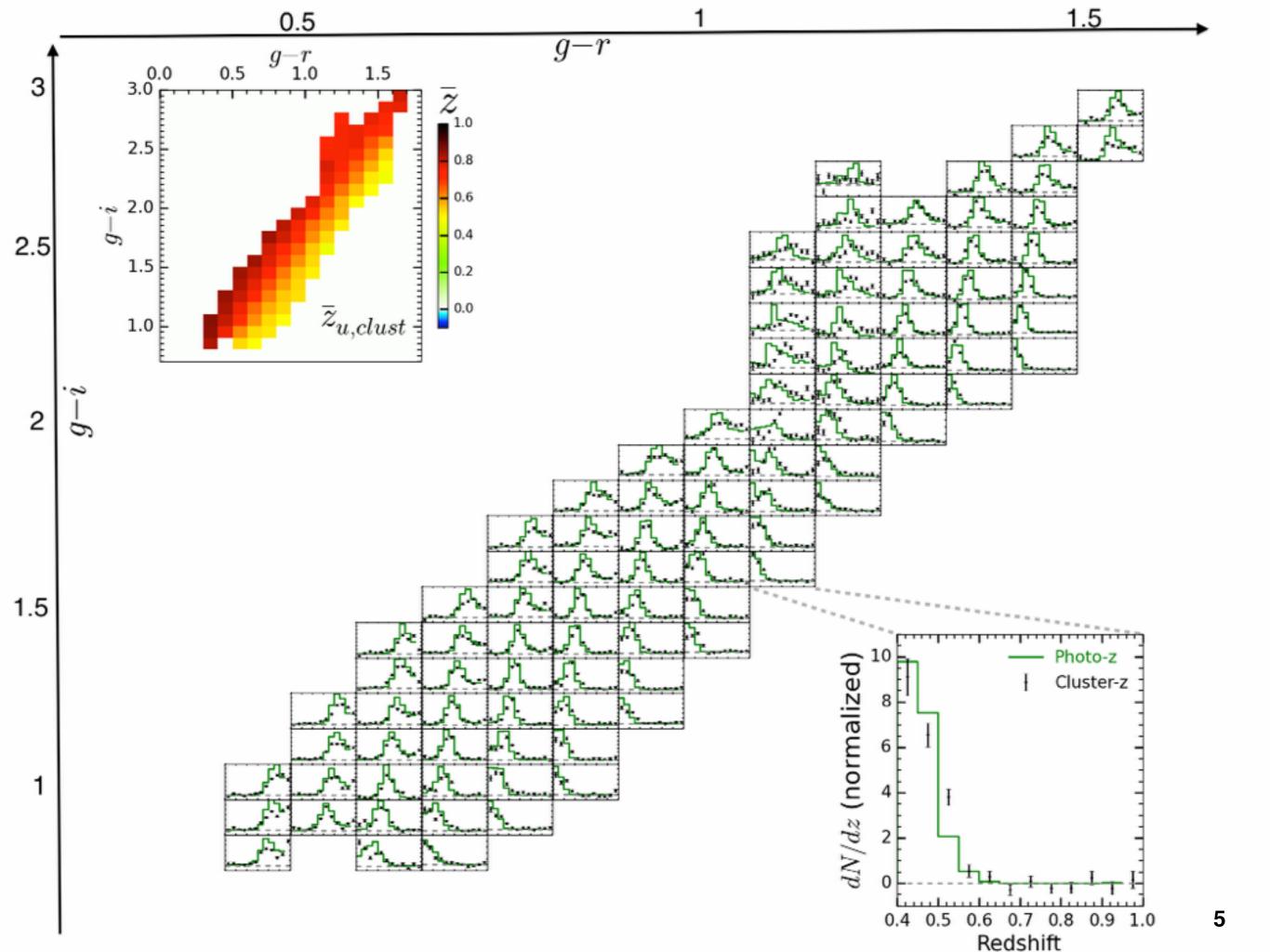
Metric: 2-point correlation function



- I Concept
- II Preselection in colors space CFHTLS $i_{AB} < 22.5 \& VIPERS i_{AB} < 22.5$

130k galaxies 30k galaxies

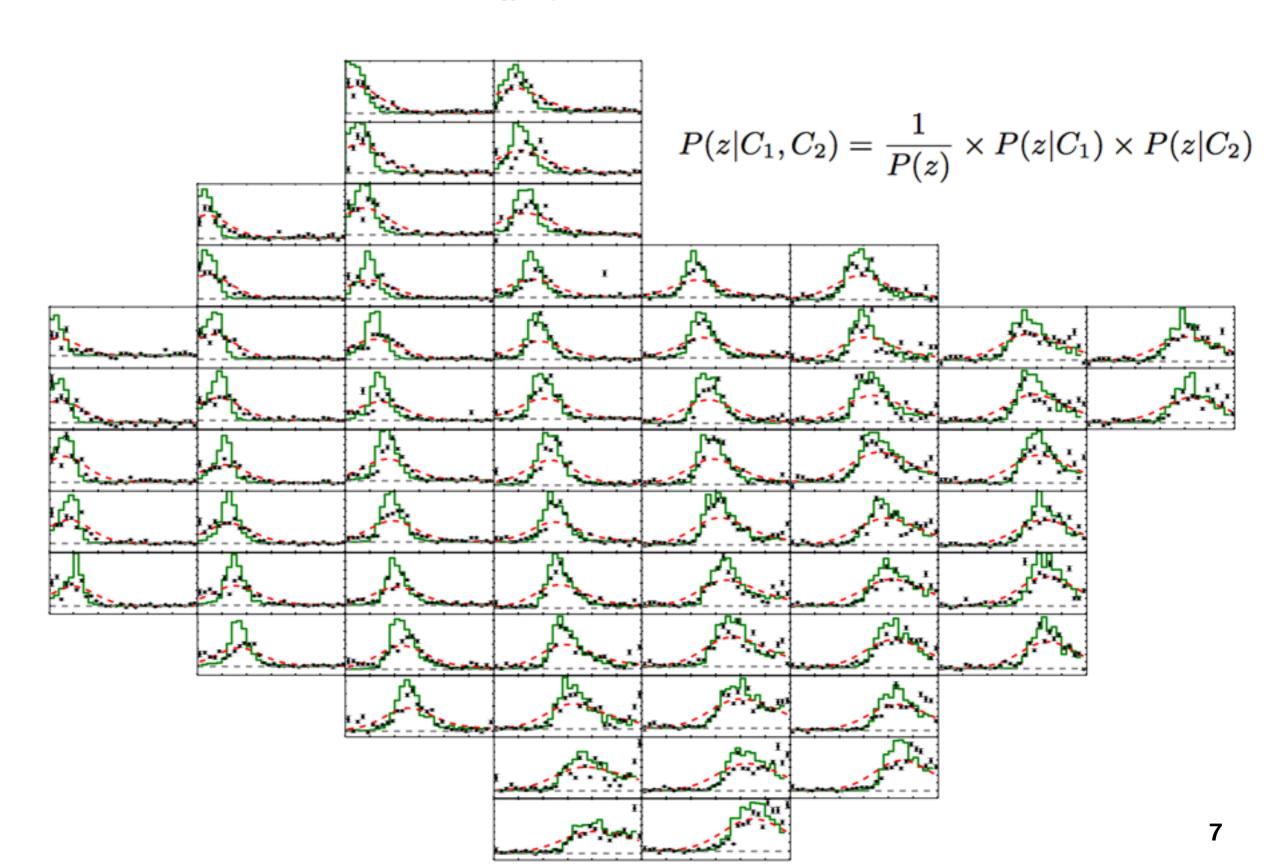
- III Individual measurements: preliminary results
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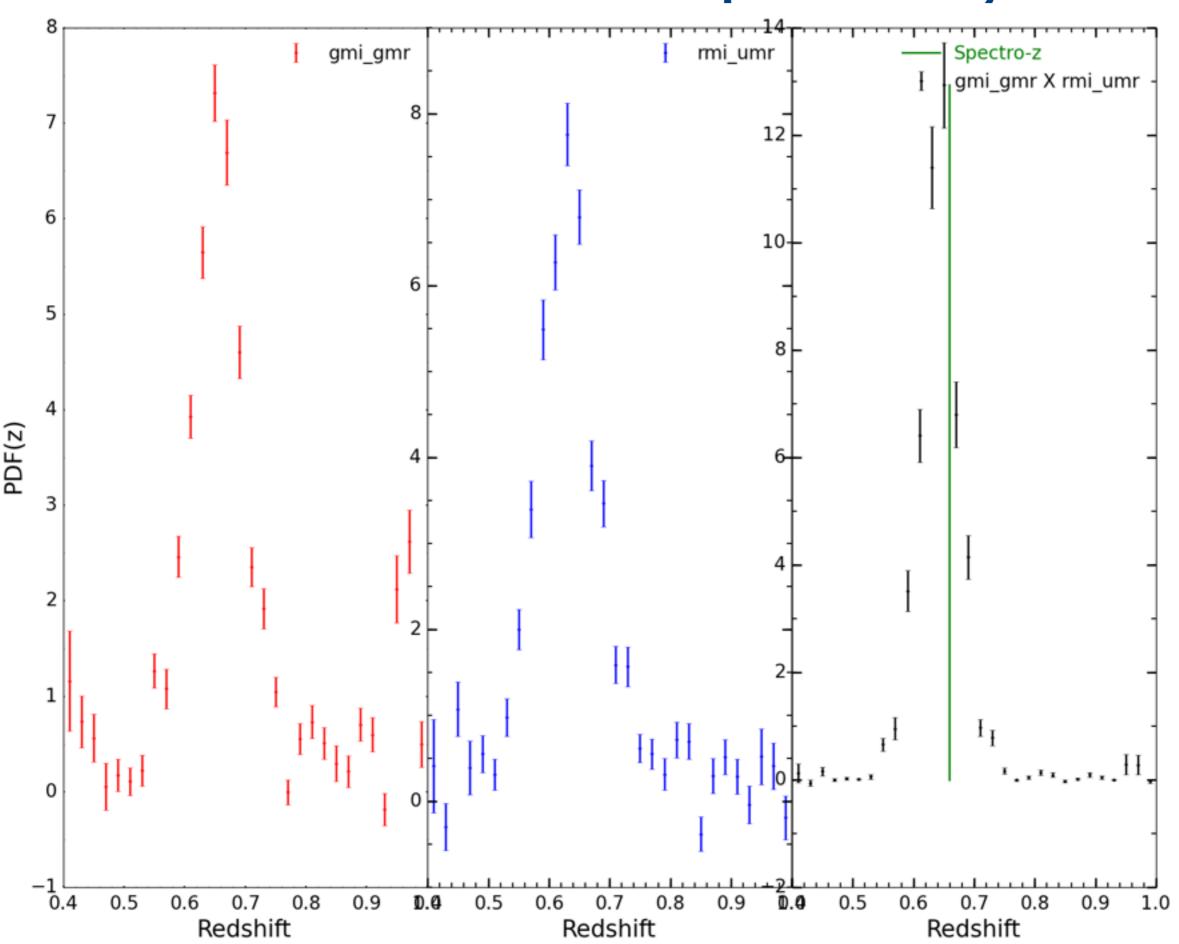
- I Concept
- **II** Preselection in colors space
- III Individual measurements: preliminary results
 Combining PDFs from colors space
- IV Next step: explore the Euclid Mice 2 simulation

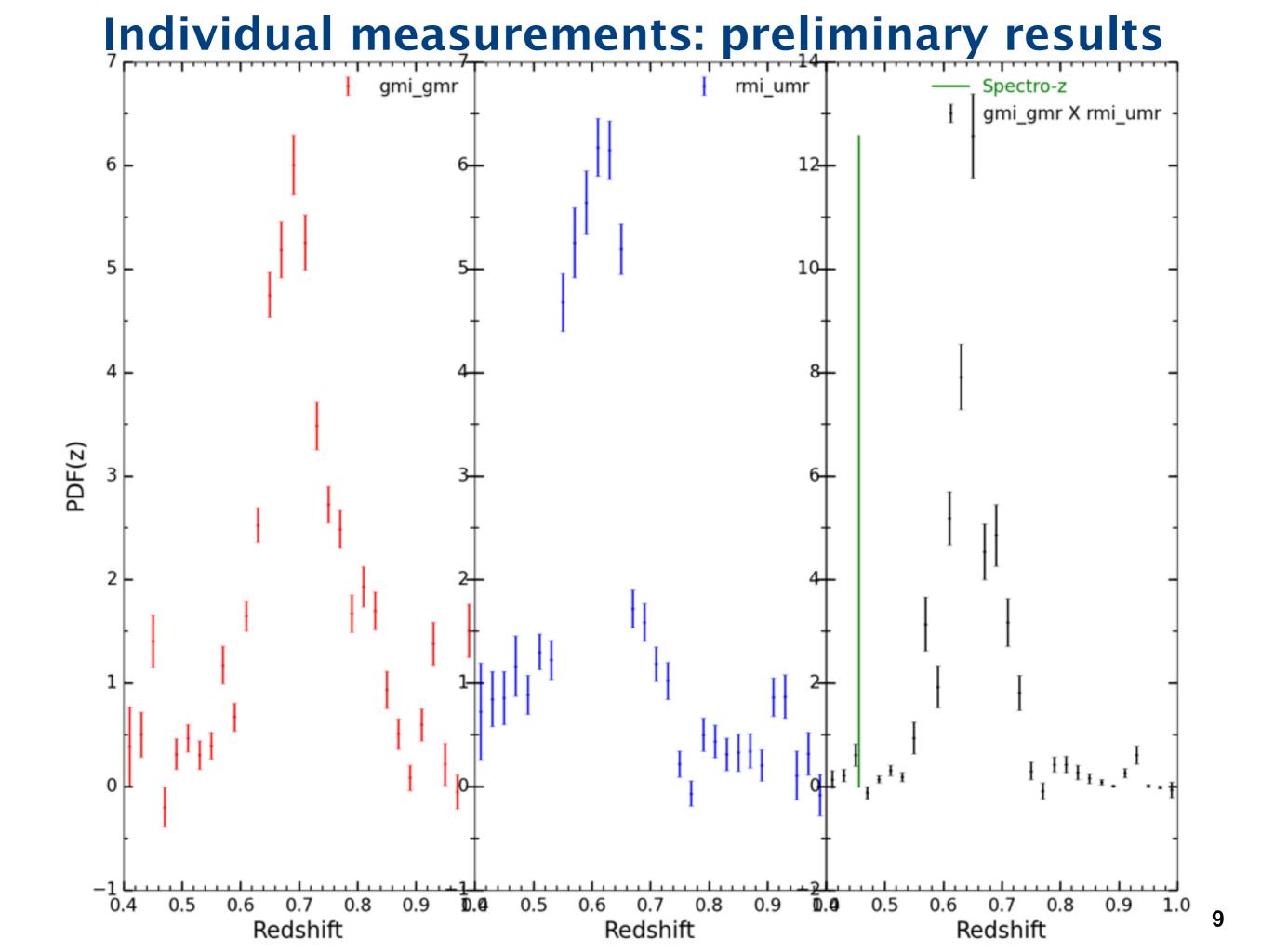
Individual measurements: preliminary results

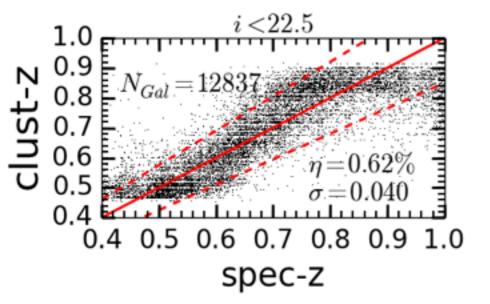


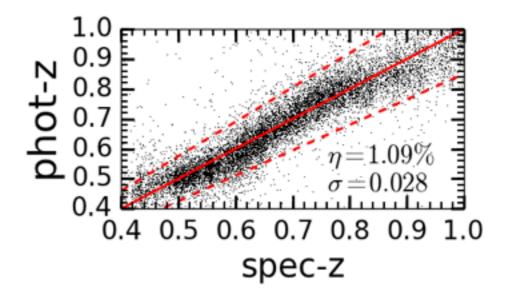


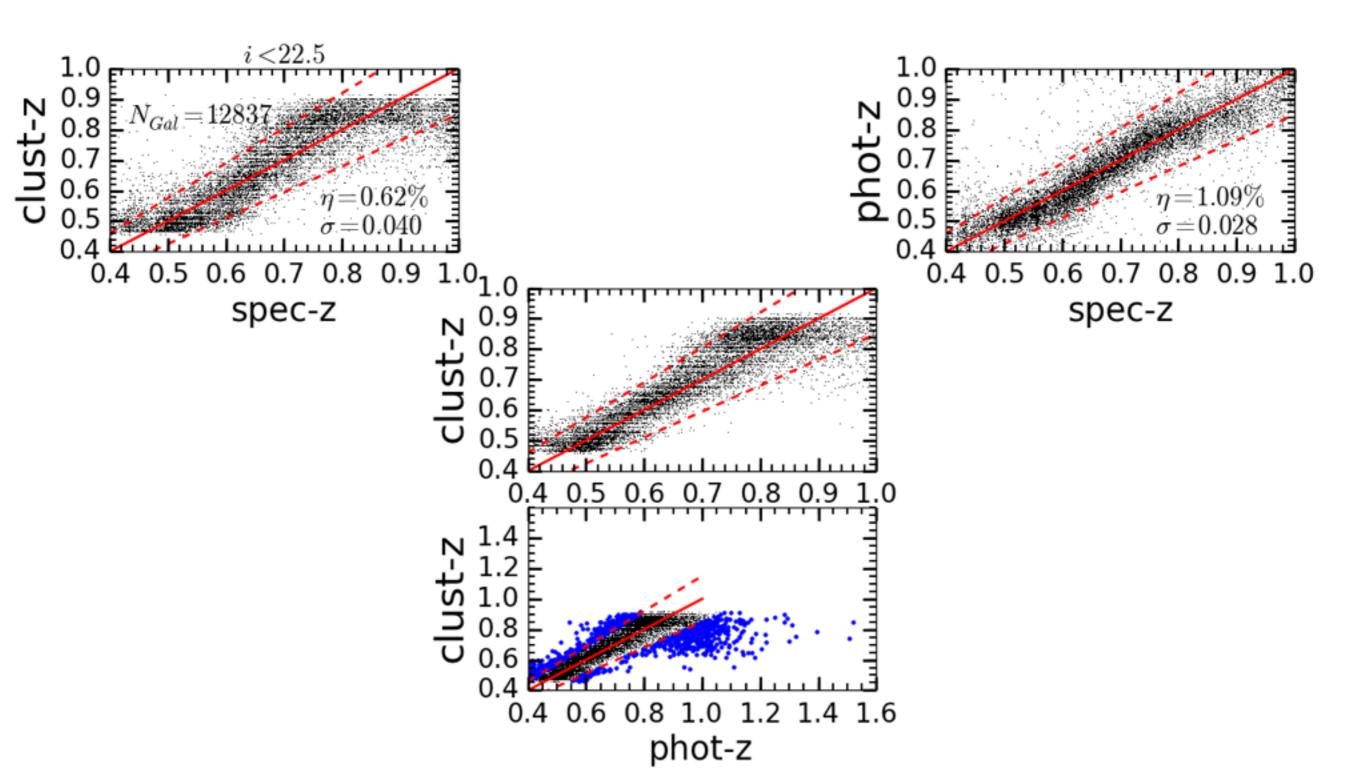
Individual measurements: preliminary results

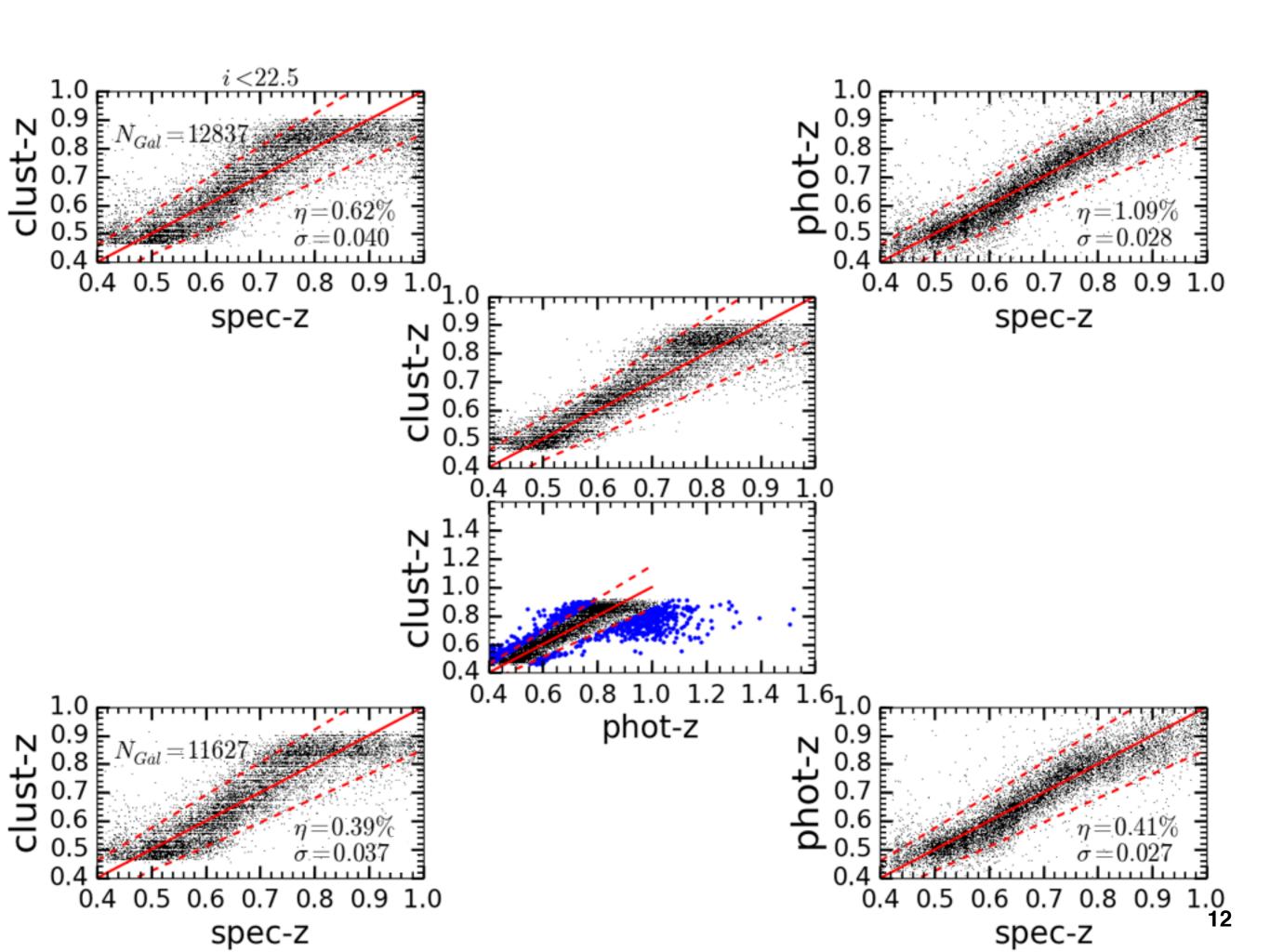












Next step: explore Euclid Mice2 simulation



Get individual redshifts using the full colors and morphology information available with Euclid



Perform a tomographic weak lensing analysis based on cluster-z and quantify the gain when combining with photo-z



Suggestions are welcome