The microbial Antarctic Resource System (mARS)

integrating discoverability and preservation of environmental annotated microbial -omics data.

Sweetlove M., Gan Y. M., Murray A. and Van de Putte A.









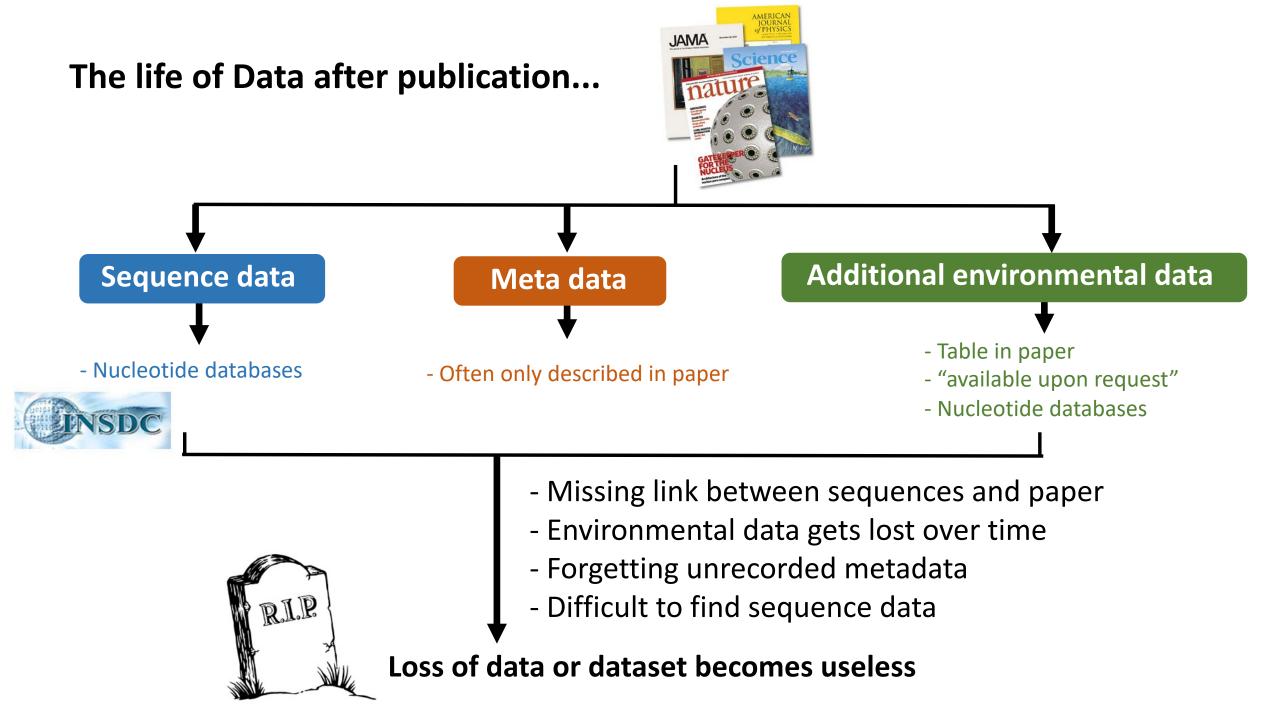






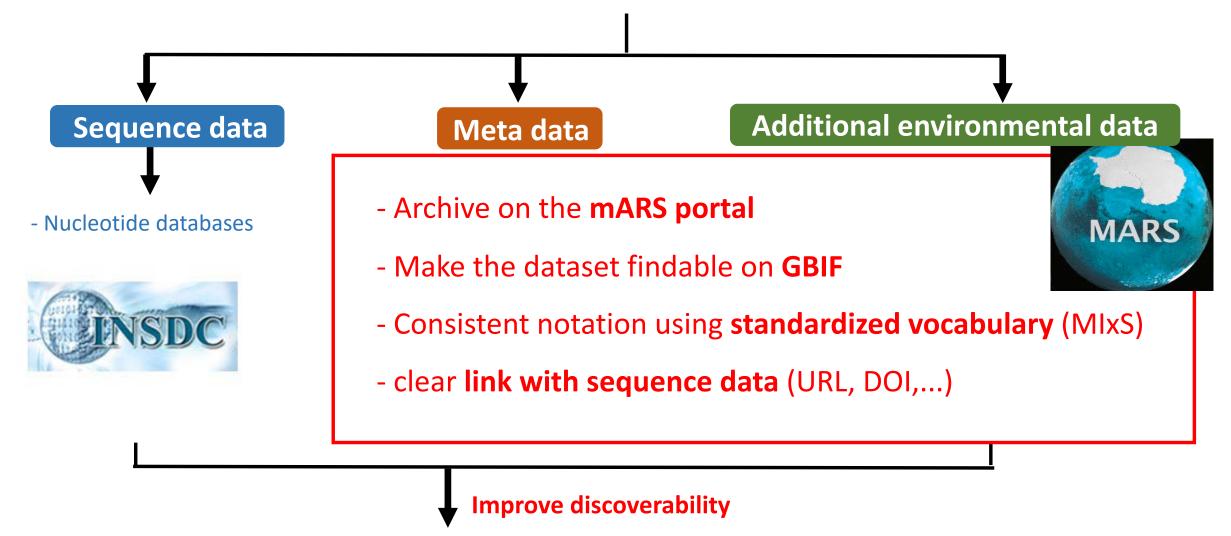
- Online themathic database
- Microbial sequence datasets
- Focus on Antarctica microbiota
 - Antarctic Treaty (1959)
 - truncated food webs
 - Limited human impact
- Core business
 - Data archiving
 - virtual lab infrastructure





The aims of mARS

mars.biodiversity.aq



Well documented usable and open microbial data

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	Author	Dataset Name	toIPT	MIMARKS		et Download	
	Charles Lee	Inter-Valley Soil Comparative Survey of the McMurdo Dry Valleys	IPT			(Download	
	S. Craig Cary	New Zealand Terrestrial Biocomplexity Survey	IPT-	0	0	۲	
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Environmental data in MIxS standard

Use of the LifeWatch-ERIC infrastructure

- Create an inventory of Antarctic microbial biodiversity
- Based on archived metabarcode datasets

