

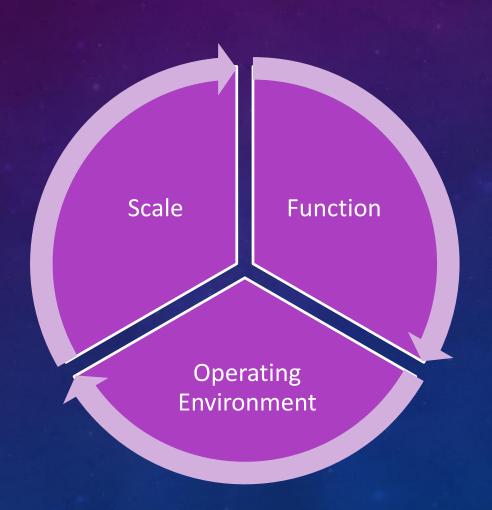
SETTING THE COURSE

Typology of water infrastructure projects

Typology of water infrastructure investors

Broader attribution of risk and return

TYPOLOGY OF INFRASTRUCTURE PROJECTS







TYPOLOGY OF INFRASTRUCTURE PROJECTS

- Agree a codified typology using multiple layers
- Develop an open-source framework for self-classifying water infrastructure projects
- Apply external validation and scrutiny

Private Participation in Infrastructure Database

Home Data **Data Visualization Snapshots** Methodology Resources **Custom Query About Us**

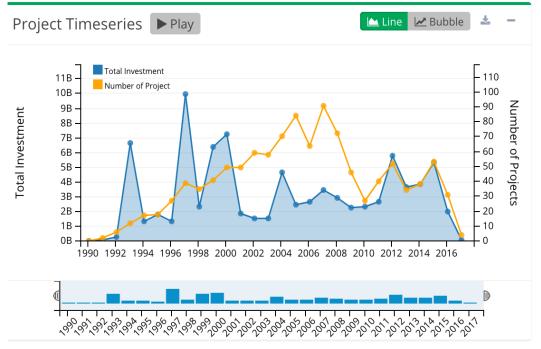
Search PPI

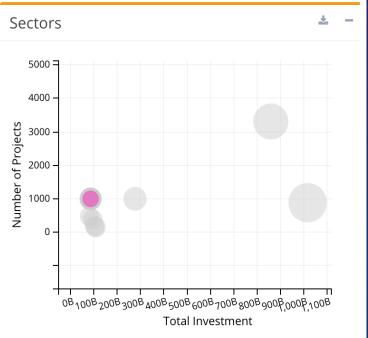
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PPI Visualization Dashboard

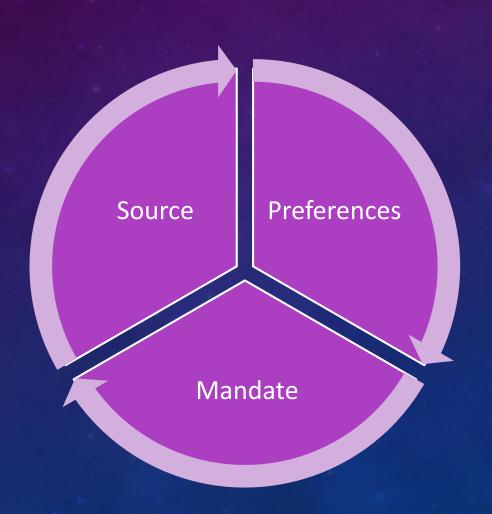
The PPI Visualization Dashboard is a tool which allows users to visualize the data in several ways by selecting certain filters, such as regions, countries, sectors, and project status. A list of associated projects is also displayed at the bottom of the page.



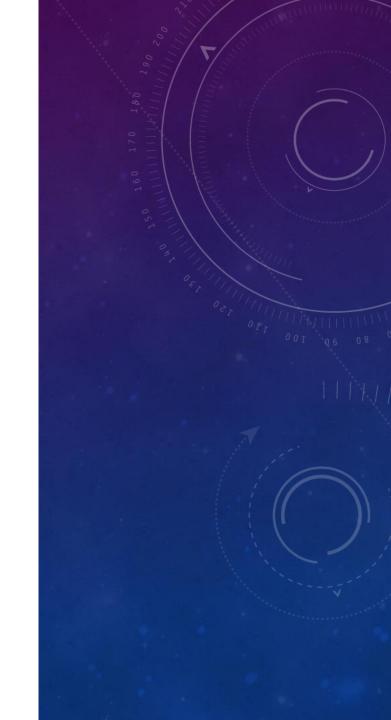




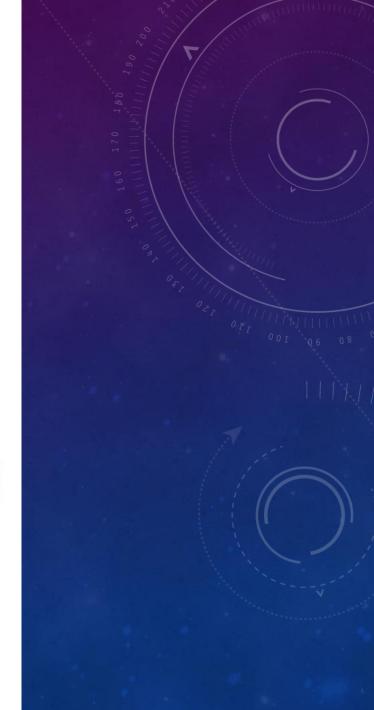
TYPOLOGY OF INFRASTRUCTURE INVESTORS











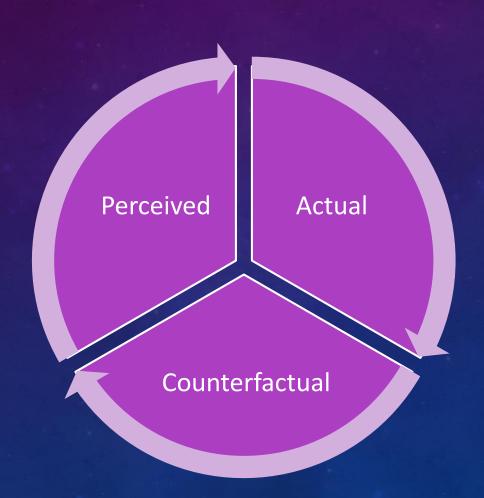
TYPOLOGY OF INFRASTRUCTURE INVESTORS

- Agree a codified typology using multiple layers
- Develop an open-source a framework for self-documenting mandates and preferences
- Validate based on actual investments made

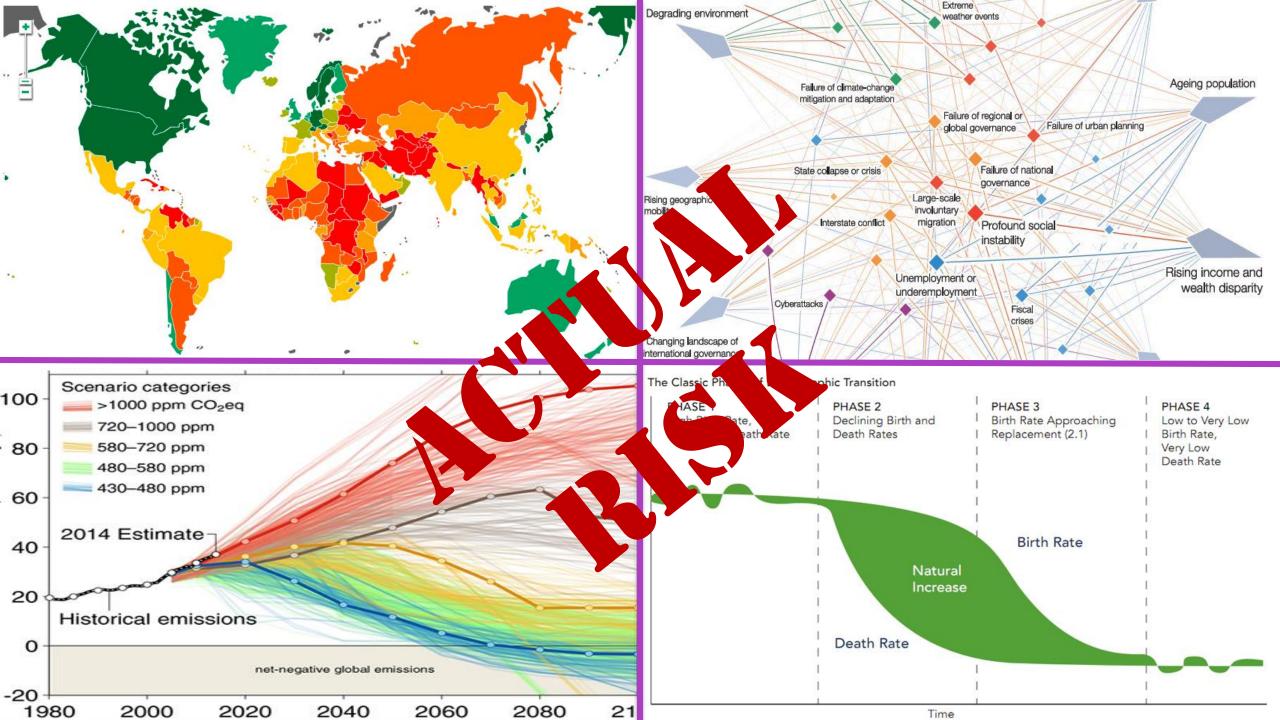
Modes		Infrastructure Finance Instruments		Market Vehicles
Asset Category	Instrument	Infrastructure Project	Corporate Balance Sheet / Other Entities	Capital Pool
Fixed Income	Bonds	Project Bonds	Corporate Bonds,	Bond Indices, Bond Funds, ETFs
		Municipal, Sub- sovereign bonds	Green Bonds	
		Green Bonds, Sukuk	Subordinated Bonds	
	Loans	Direct/Co-Investment lending to Infrastructure project, Syndicated Project Loans	Direct/Co-investment lending to infrastructure corporate	Debt Funds (GPs)
			Syndicated Loans, Securitized Loans (ABS), CLOs	Loan Indices, Loan Funds
Mixed	Hybrid	Subordinated Loans/Bonds, Mezzanine Finance	Subordinated Bonds, Convertible Bonds, Preferred Stock	Mezzanine Debt Funds (GPs), Hybrid Debt Funds
Equity	Listed	YieldCos	Listed infrastructure & utilities stocks, Closed-end Funds, REITs, IITs, MLPs	Listed Infrastructure Equity Funds, Indices, trusts, ETFs
	Unlisted	Direct/Co-Investment in infrastructure project equity, PPP	Direct/Co-Investment in infrastructure corporate equity	Unlisted Infrastructure Funds

Source: OECD analysis drawing on OECD (2015b)

ATTRIBUTION OF RISK AND RETURN



Risk Categories	Development Phase	Construction Phase	Operation Phase	Termination Phase			
Political and regulatory	Environmental review	Cancellation of permits	C. e. ariff	Contract duration			
	Rise in pre- construction costs		rc ati_n	Decommission			
	(longer permitting	Contract renegotian on		Asset transfer			
	process)		Currency cor	nvertibility			
	Chan taxation						
	ocial acceptance						
	ange in National Story or legal environment						
	Prefunding Only Dility of contracts, collateral and security Default of counterparty						
Macroeconomic	Prefunding						
		ng risk					
	incii	lity					
and business	Volatility of demand/market risk						
	gal interest rates						
	Exc. the rate fluctuation						
	Governance of the project						
Technical	Project feasibility	Construction delays and cost overruns	Qualitative deficit of the physical	Termination value different from expected			
	Archaeological	5551 5 7 5 11 41 10	structure/ service				
	T						
	Force majeure						





ZERO

GENDER FOLIALIT

COUNTER-



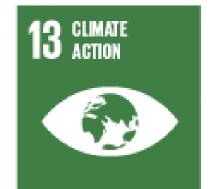
AFFORDABLE AND **CLEAN ENERGY**

8 RACUUAL





RESPONSIBLE AND PRODUCTION



RISK









ATTRIBUTION OF RISK AND RETURN

- Risk analyses should seek to understand the economic, social and environmental impact of non-delivery
- This insight should be aligned with the returns on investment derived from improved water security

