

GEO SPATIAL WORLD FORUM-2017

ESTABLISHMENT OF NSDI NODE AT CPCB



**CENTRAL POLLUTION CONTROL BOARD
(MINISTRY OF ENVIRONMENT, FOREST AND CLIMATE CHANGE)**

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SCIENTIST D**

CONTENTS

- Introduction
- Task assigned to CPCB for Establishment of Node
- Task accomplished in F.Y. 2016
- UML Class Diagrams
- Annual Action Plans
- Roadmap

INTRODUCTION (CPCB)

- CPCB, a statutory organization was established in September 1974 under water (prevention and control Act) 1974 and later on entrusted with powers and function under air(prevention and control of pollution) Act, 1981.
- Advise the Central Government on any matter concerning prevention and control of water and air pollution and improvement of the quality of air.
- Plan and cause to be executed a nation-wide program for the prevention, control or abatement of water and air pollution.
- Provide technical assistance and guidance to the State Boards, carry out and sponsor investigation and research relating to problems of water and air pollution, and for their prevention, control or abatement.

TASK ASSIGNED

- Establishment of NSDI Node
- Preparation of product catalogue cum data content document
- Preparation of metadata sets as per NSDI version 2.0 (AQ, WQ)
- Uploading of metadata sets on the India Geo Portal of NSDI.

TASK ACCOMPLISHED

- NSDI node has been established with following H/W & S/W
 1. one rack server
 2. 4 mbps net connectivity
 3. Two desktops
 4. one laptop
 5. one color printer
 6. Windows 2008 server
 7. Enterprise Architect software version 12.1
- Metadata sets has been prepared for all states as per NSDI version 2.0 and been uploaded in NSDI portal.(AQ & WQ)
- An in house database is in process of development for the purpose of application development.

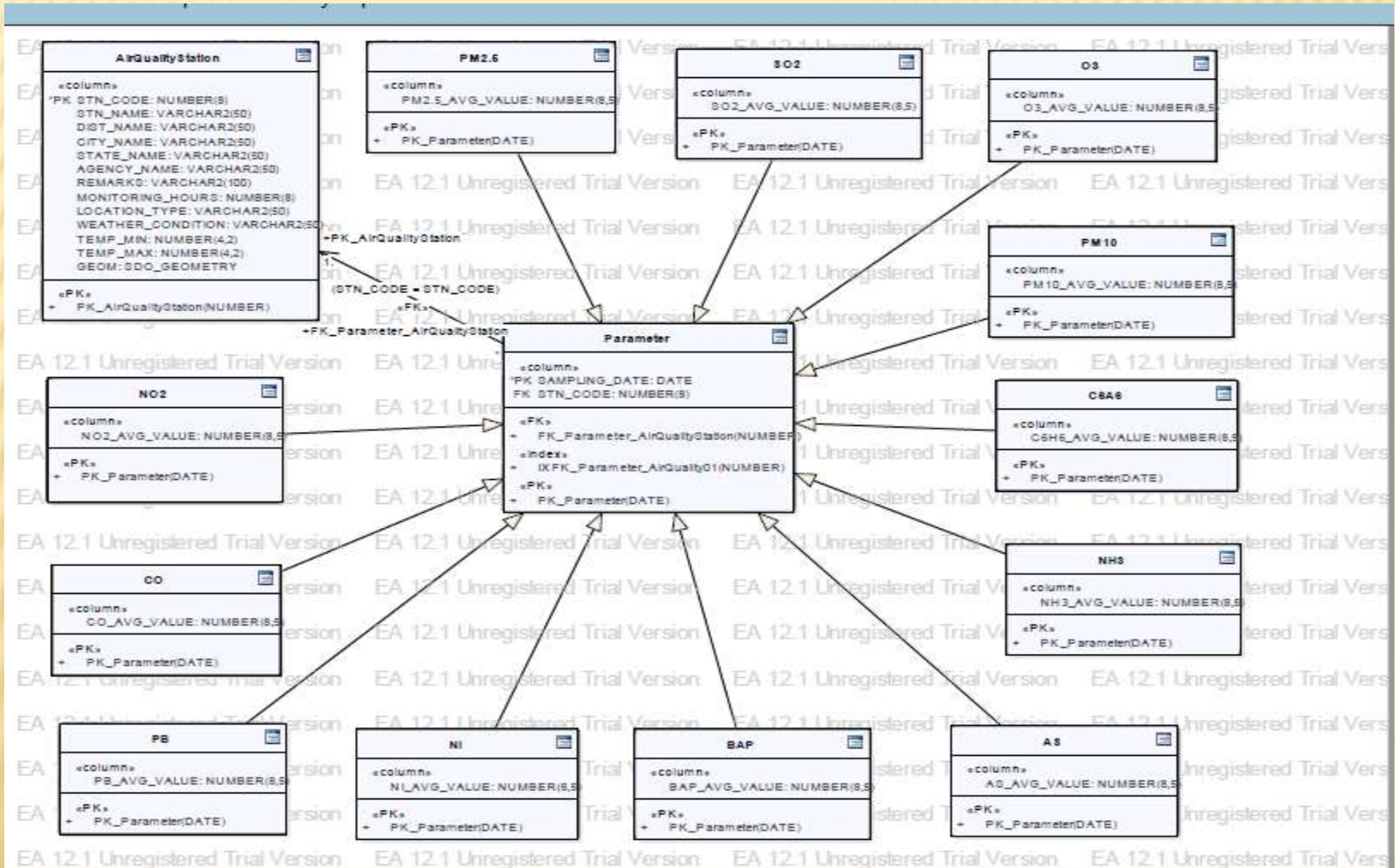
AQ METADATA IN INDIA GEO PORTAL

NSDI Metadata	
Data Identification Information	
Name	Value
NAME_OF_DATASET	Air Quality Data
NAME_OF_DATA	Andhra pradesh_Air_Quality
THEME	SO2, NO2, RSPM, SPM
KEYWORDS	Ambient Air Quality, Industrial, Residential, Sensitive
ACCESS_CONSTRAINTS	Unrestricted
USE_CONSTRAINTS	Unrestricted
PURPOSE_of_creating_Data	Assesment of Air Quality in Andhra Pradesh (Industrial, Residential, Sensitive)
DATA_TYPE	Point Data
AGENCY_NAME	Central Pollution Control Board
AGENCY_ID	6.0
Abstract Describing The Data	
Citation	

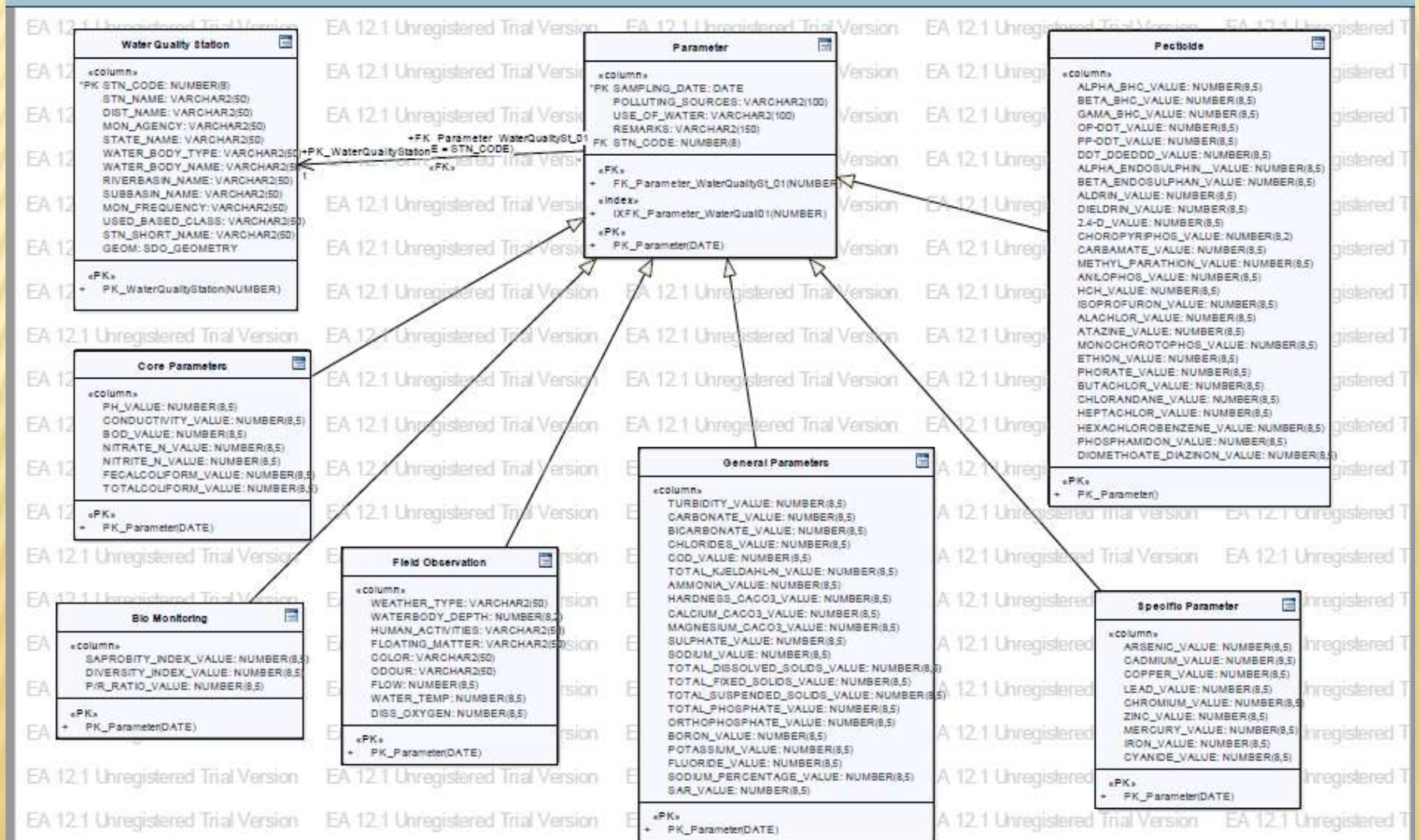
WQ METADATA IN INDIA GEOPORTAL

Name	Value
DATA_PREPARED_BY	AP SPCB, NEERI, CPCB
ORIGINAL_SOURCE	Primary Monitoring from the field
SOURCE_SCALE_DATE	NA
MAPPING_YEAR	NA
DIGITIZING_YEAR	NA
SURVEY_YEAR	NA
LINEAGE	AP SPCB, NEERI
ASSOCIATED_PROJECT_DATA	NAMP
ASSOCIATED_PUBLICATIONS	Periodical AIR Quality Reports
PERSON_EMAIL	namp.cpcb@gmail.com
PERSON_AFFILIATION	CPCB
CORPORATE_NAME	Central Pollution Control Board
CORPORATE_ADDRESS	Parivesh Bhawan, CBD-cum-Office Complex East Arjun Nagar, DELHI - 110 032, INDIA

CLASS DIAGRAM (AIR QUALITY)



CLASS DIAGRAM (WATER QUALITY)



ANNUAL ACTION PLANS

2016-17

- Preparation of metadata sets for NAMP & NWMP data state wise
- Uploading of metadata on India Geo Portal of NSDI

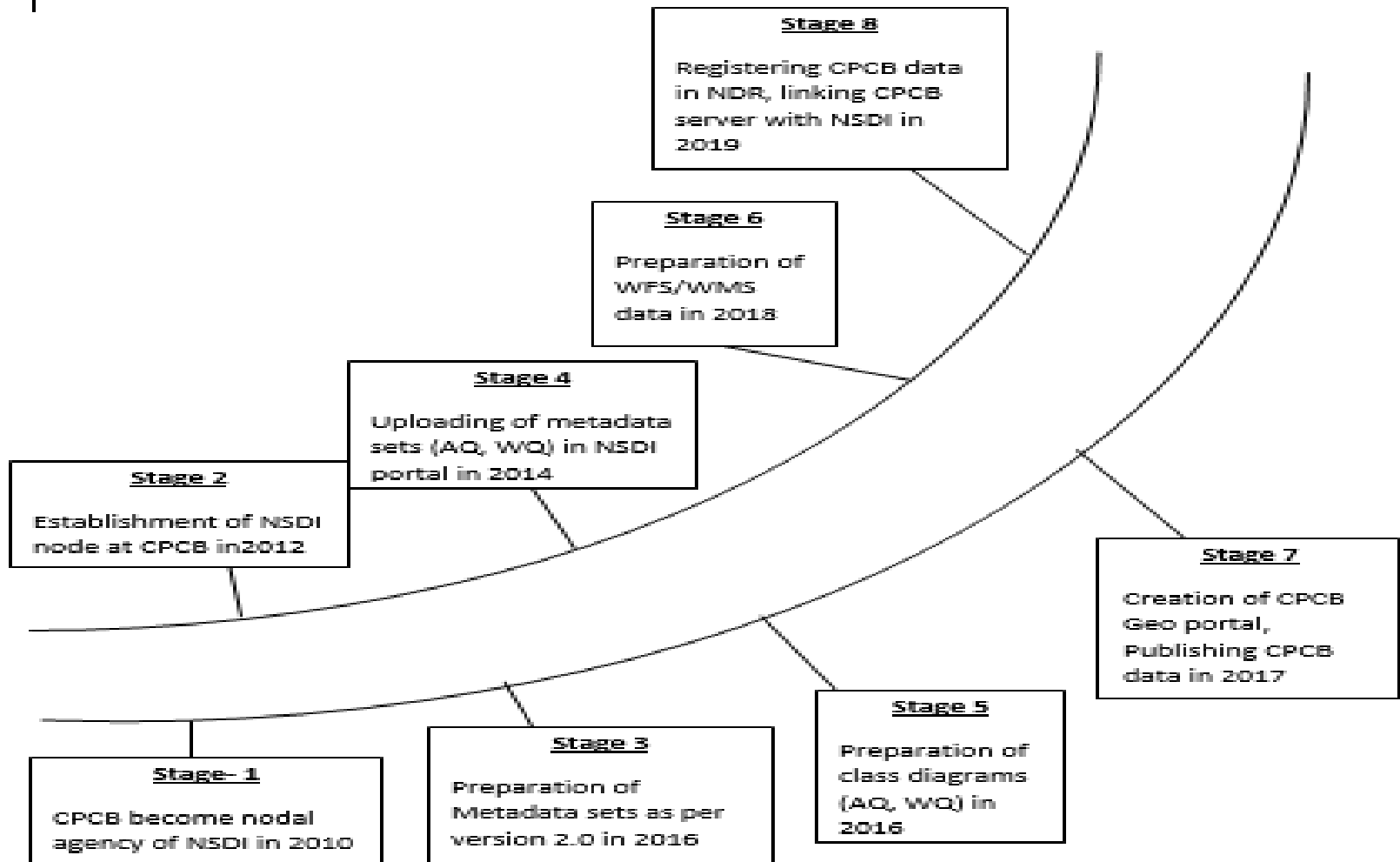
2017-18

- Creation of WMS/WFS for all locations of NAMP & NWMP
- Integration of WMS/WFS service with datasets
- Proposal preparation, tendering process, award of work

2018-19

- Publishing of pollution data in NDR

ROADMAP OF CPCB



THANK YOU
