



# *30<sup>th</sup> Annual Climate Diagnostic and Prediction Workshop: Opening Remarks*

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*"Where America's Climate, Weather and Ocean Services Begin"*



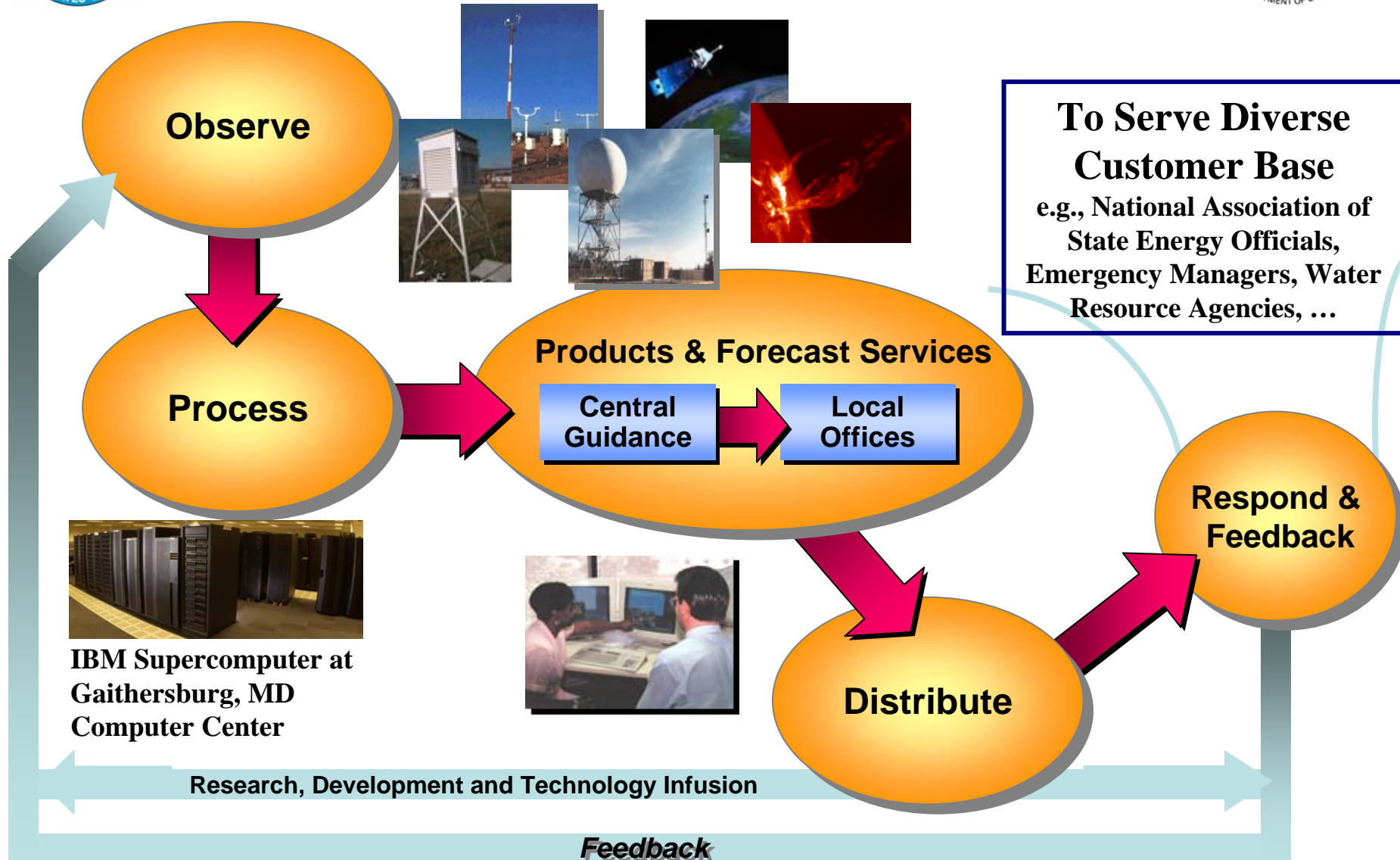
# Overview

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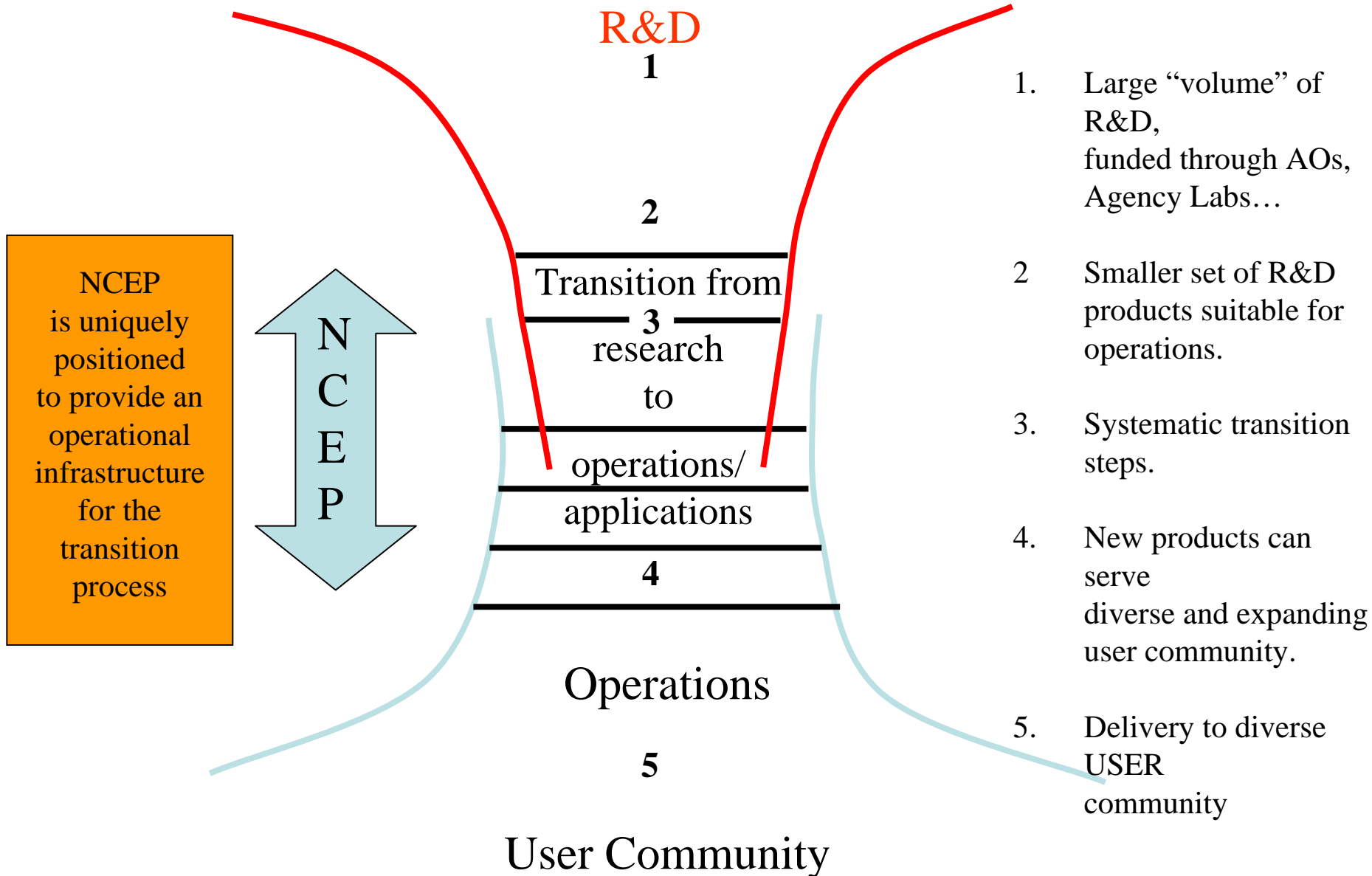
- Linking the Climate Test Bed (CTB) to:
  - Other NOAA components
  - Transition process from research to operations
- Relationship of the Climate Forecast System (CFS) to the CTB
  - Status of computer support



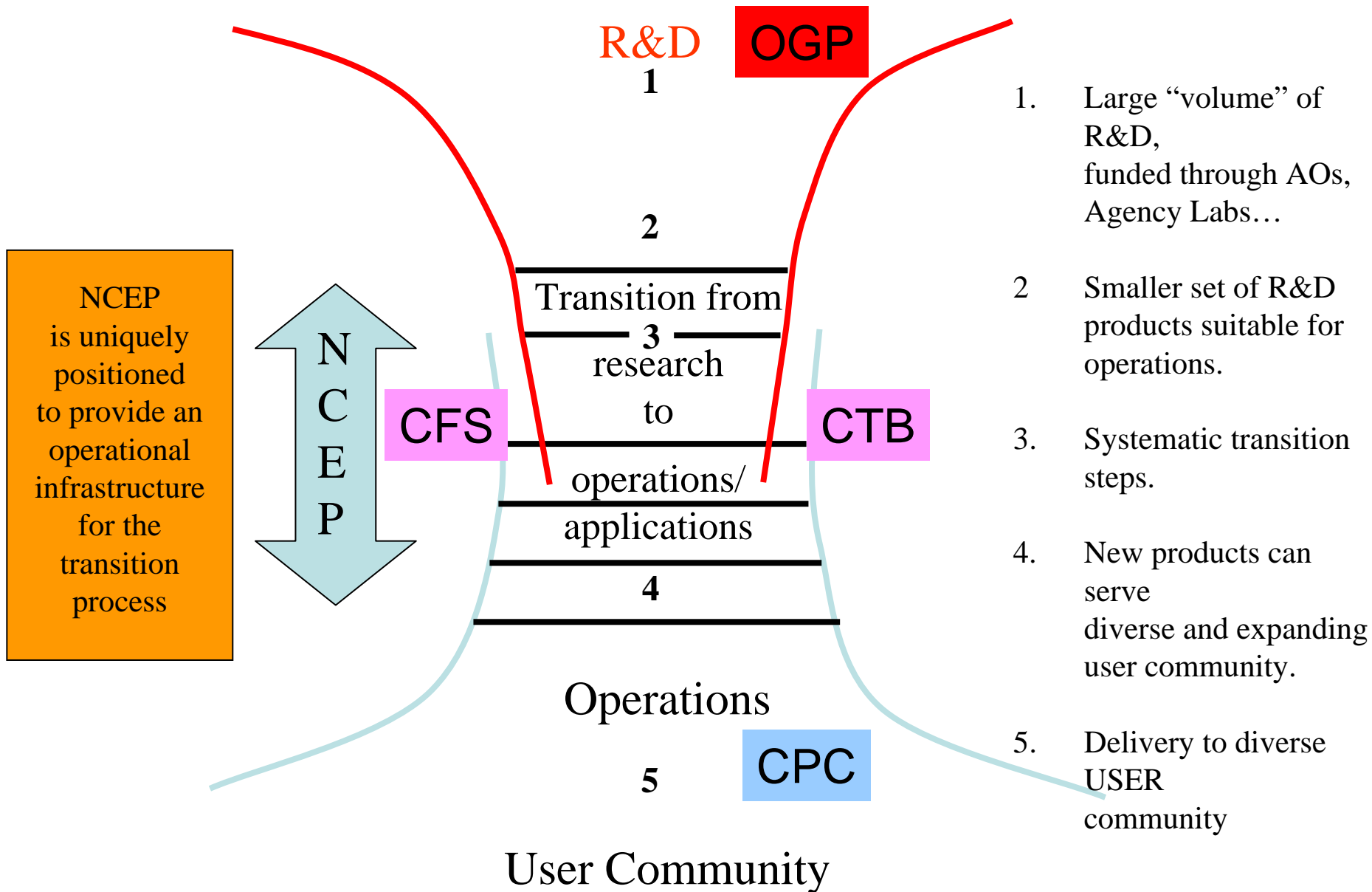
# The Path to NOAA's Seamless Suite of Products and Forecast Services



# Applying the “Funnel” to the Transition Process

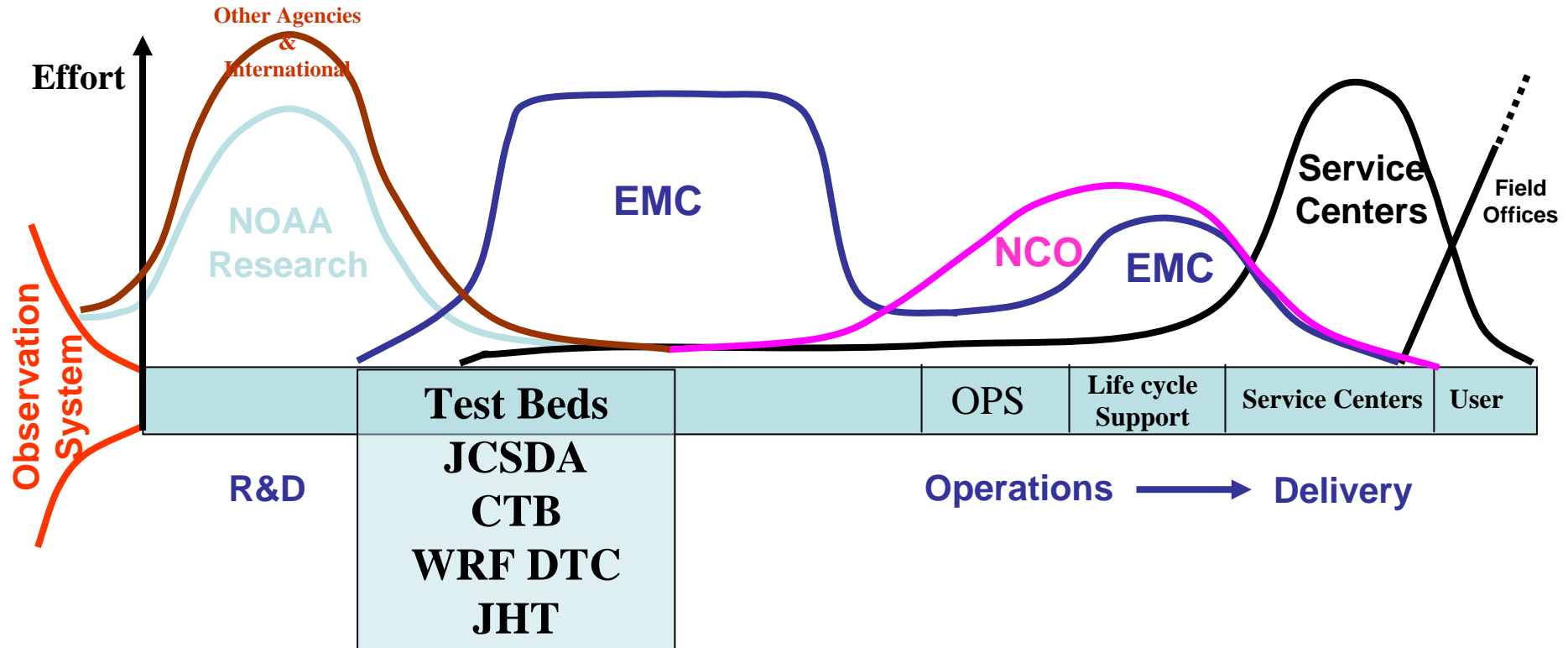


# Applying the “Funnel” to the Transition Process



# NCEP's Role in the Model Transition Process

*EMC and NCO have critical roles in the transition from NOAA R&D to operations*



Transition from Research to Operations

Launch List – Model Implementation Process

Concept of Operations

Requirements

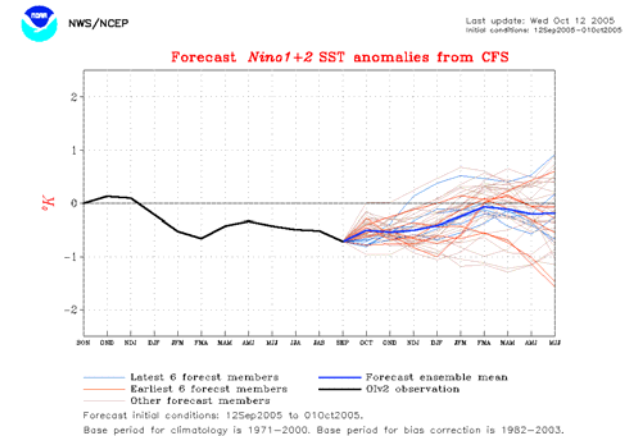
Criteria

Forecast benefits, Efficiency, IT Compatibility, Sustainability



# Climate Forecast System Status

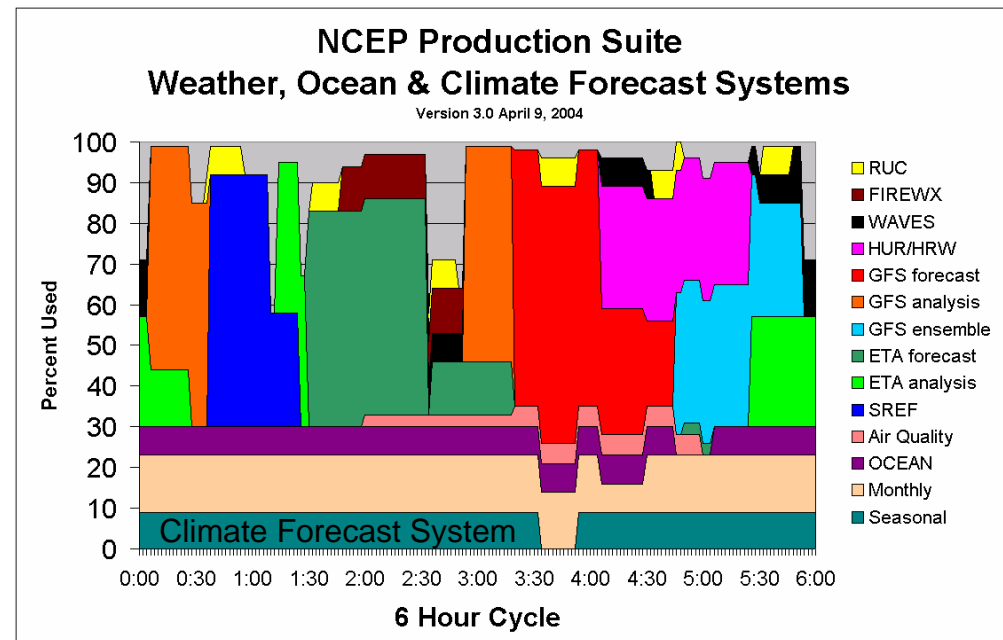
- Components
  - Atmosphere: GFS(2003) T62/L64
  - Ocean: MOM3 GFDL Ocean Model
  - Coupled once/day
- Run 2X Day out to 9 months
- The website for real time data retrieval is at:  
[ftp://tgftp.nws.noaa.gov/SL.us008001/ST.opnl/MT.cfs\\_MR.fcst/](ftp://tgftp.nws.noaa.gov/SL.us008001/ST.opnl/MT.cfs_MR.fcst/)
- The climatological data is at:  
[ftp://tgftp.nws.noaa.gov/SL.us008001/ST.opnl/MT.cfs\\_MR.clim/](ftp://tgftp.nws.noaa.gov/SL.us008001/ST.opnl/MT.cfs_MR.clim/)
- Complete documentation available at:  
[http://www.emc.ncep.noaa.gov/gmb/ssaha/cfs\\_data/cfs\\_data.pdf](http://www.emc.ncep.noaa.gov/gmb/ssaha/cfs_data/cfs_data.pdf)





# Computer Support

- CFS Seasonal Operational Runs - ~10% of operational machine
- Computational support for monthly forecast is in place ~ 10% of operational machine
- Support for Climate Test Bed
  - Computational support being applied to approved projects (1/3 of “research” computer)







# Issues/Challenges/Highlights

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- Balances between external and transitional work
- Reanalysis support
- Multi-model Ensemble and related application
- NCEP, NESDIS, ARL will move into the NOAA Center for Weather and Climate Prediction in early 2008

