Home Based Assignment
Support for PRIS Infographics

Scope of work

In 2019, Nuclear Power Engineering Section (NPES) released the first PRIS Nuclear Power Status Poster, which used data on nuclear power submitted to PRIS by Member States. This poster was very popular product among the Member States and sparked an increase interest in facts about global nuclear power development and status. The NPES plans to develop a new poster with infographics on status of nuclear power with data as of the end of 2019. This project requires support of an external consultant who is a graphic designer with innovative approach of illustrating quantitative data. The scope of work includes design of a new PRIS Nuclear Power Status Poster and development of a set infographics illustrating trends and statistics on nuclear power that would be published on the PRIS public web page. A new poster and infographics for the web page should be developed using the PRIS database and the PRIS publications. These two products should also be designed in IAEA standardized color palette (will be provided).

Deliverables

A consultant shall provide multiple design proposals for a poster and infographics on nuclear power status and statistics. A consultant shall work closely with NPES to finalize requirements for a poster and web page infographics, participate in meetings related to these two products, implement feedback and provide advice. A consultant shall produce and deliver these two products without errors with all final production/source code files. A consultant will not be responsible for printing hard copies of a poster or for publication of infographics on the PRIS public web page.

Timeframe: March-April 2020 (no more than 30 working days)

General requirements for a poster

A poster shall include infographics about:

Reactors in operations – total capacity, number of reactors, electricity produced; Reactors under construction– total planned capacity, number of reactors under construction; Operating experience Status changes, Regional trends, Age or reactors, Capacity factor, Country statistics, Type of reactors, Floating reactor should be somehow indicated as first one to connect to grid in 2019. Capacity of operating reactors and reactors under construction and regional distribution of the capacity is important message that should be included on the poster. However, while the first poster included a world map, the next poster shall include more innovative ways of illustrating regional trends.

General requirements for the PRIS public web page infographics

Data to be presented in the infographics/graphs shall include but shall not be limited to: total nuclear electricity production history and/or 2019; regional trends on nuclear capacity and

nuclear production; global average load factor trend over time and/or 2019; percentage of units by capacity factor; long term trends in capacity factor; operational reactors statistics per region, country, type or reactor, age; new construction statistics per region, country and type of reactor; permanent shut down statistics – country, regional, age, type of reactor, capacity; construction statistics of reactors connected to grid in 2019; average construction length trends; last three year performance factors; lifetime factors; trend reports; nuclear share; reactors by age; age of reactors vs outage reasons; country summary data infographics on number and capacity of reactors under construction, operational, long term shutdown, permanent shut down; annual production share, annual electrical power production and nuclear production total in 2019. Most of the information is already presented in graphs on the PRIS public web page but needs to be replaced by new and innovative infographics.

Pay

5,000-7,000 euros for 30-35 hours of work approximately

Additional Information

PRIS Nuclear Poser Status 2018 Poster is available here:

https://pris.iaea.org/pris/19-01767E_POS_PRIS_NPS_map_2018_FINAL2.pdf

Current World Statistics infographics that need to be replaced by new designs are here:

https://pris.iaea.org/PRIS/WorldStatistics/OperationalReactorsByCountry.aspx

Current country statistics infographics that need to be replaced by new designs are here:

https://pris.iaea.org/PRIS/CountryStatistics/CountryStatisticsLandingPage.aspx

Color palette that needs to be used in the design of a poster and infographics:

Standardized Use of Colors

Color	Name	Hex
	IAEA corporate blue	#3366cc
	Dark blue	#003399
	Light blue	#99ccff
	Orange	#ff9900
	Light orange	#ffcc66
	Green	#99cc00
	Light green	#ccff99
	Purple	#8681b8
	Light purple	#c7c4e2

Options for map and background:
(note: the darker blue here is not from the colour palette)

#003366 #3366cc

#3366cc #003366
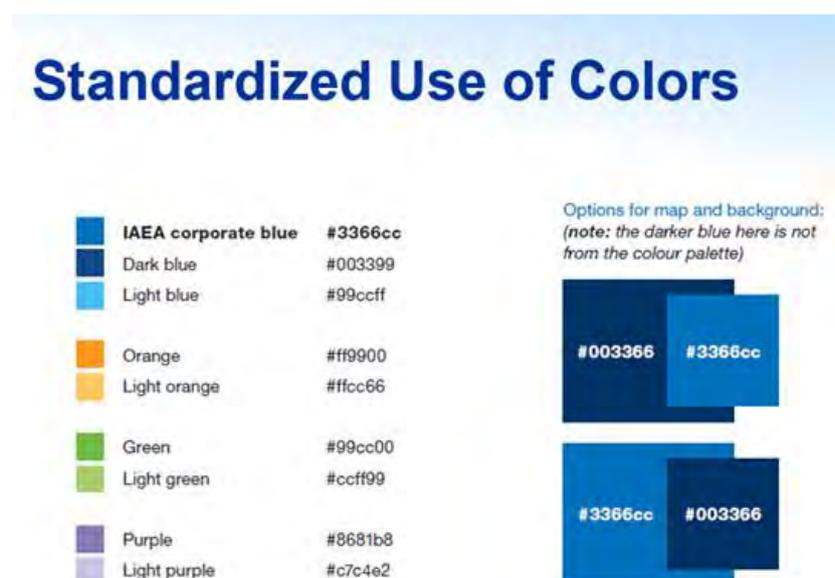
If interested please contact Marta Gospodarcyk (M.Gospodarcyk@iaea.org)