# TERMS OF REFERENCE FOR INDIVIDUAL CONSULTANT

Coope of weether	The consultant will develop a notice of data whatfarms in line with its distance when
Scope of work:	The consultant will develop a national data platform in line with indicators presented in
(Description of services, activities, or outputs)	Annex 1 of this ToR. The platform will be developed based on the OpenSDG platform (open source libraries and tools available at <a href="https://open-sdg.readthedocs.io/en/latest/">https://open-sdg.readthedocs.io/en/latest/</a> ) with the
	following adjustments:
	SDG icons will be replaced with new icons (to be designed by the Consultant) in
	line with indicator groups as specified in Annex 1;
	Indicators will be presented as text links (no need to design icons for each indicator).
	indicator);  The platform will have a monu har with links such as EAO. Bublications. Nows ats.
	<ul> <li>The platform will have a menu bar with links such as FAQ, Publications, News etc.</li> <li>The links will be discussed and agreed as the platform is developed;</li> </ul>
	The web page News should be designed to show only authors and titles of
	individual articles (in a 3x3 or 4x4 matrix) while full articles will be designed to
	resemble a blog style with a photo of the author and author's personal data on
	the left hand side and article centred to the web page;
	The platform will be developed in 4 languages (English, Bosnian, Serbian and
	Croatian). Translation of all indicators and articles in all 4 languages will be
	<ul> <li>provided by UNFPA at later stages;</li> <li>Data tables and charts (as selected by users) could be exported in a format that</li> </ul>
	enables editing and data analysis;
	Upon finalisation the Consultant will provide the platform in two forms, one
	without data and the other one with data entered into the platform. This is
	because the platform without data will be offered to statistical institutions out of Bosnia and Herzegovina for their use while the one with data will be given to in-
	country statistical institutions for their publication, maintenance and use.
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	Besides the afore mentioned, the Consultant will organise a one-day training for
	representatives of statistical institutions in Bosnia and Herzegovina aimed at explaining the
	main functions of the platform and the process of future data/indicator entry. The Consultant is also responsible for the development of brief guidelines that will explain
	main functions and new data/indicator entry in writing. The guidelines will graphically
	show all steps in this process.
	The Consultant will save the platform at a public domain where it will be hosted (upon
	finalisation) for a period of at least 1 year so that it could be presented to relevant
	stakeholders and partners in the region. If the public domain requires payment for this
	period, it is the responsibility of the Consultant to cover for those costs. The Consultant
	will be obliged to upload the platform to a domain of any partner upon UNFPA request by the end of 2022 even if official contract expired. This will be done at no additional cost to
	UNFPA.
	If statistical institutions in the region adopt the platform for their use, UNFPA may expand
	this scope of work of the Consultant to provide other statistical institutions with needed support. In this case, additional services will be contracted and paid separately.
Duration and working	50 work days from 1.4.2021 – 30.6.2021
schedule:	
Place where services are to	Home based for platform development (The training will be held in BiH. The venue will be
be delivered:  Delivery dates and how work	determined at later date)  The consultant will inform UNFPA of a domain in which the platform (with data) will be
will be delivered (e.g.	temporarily hosted. The domain should preferably be named in a way that associates
electronic, hard copy etc.):	viewers to its content (such as <a href="https://www.popdata.net">www.popdata.net</a> or similar).
	Empty platform will be saved at any domain and the address shared with UNFPA. Empty
	platform will be available for upload to a domain used by partner institutions upon request from UNFPA.
Monitoring and progress	UNFPA CO BiH PD and M&E Programme Analyst will monitor the work of the Consultant
control, including reporting	and act as a focal point for any inquiries in relation to this assignment.
requirements, periodicity	
format and deadline:	The Consultant will work and and
Supervisory arrangements:	The Consultant will work under the overall supervision of the UNFPA Bosnia and Herzegovina Representative
<u> </u>	The Eagle Find Representative

Expected travel:	If the Consultant lives out of Sarajevo, it might be necessary to travel to Sarajevo or other
	location in BiH for the provision of requested training. In this case, the costs of travel and
	accommodation of the Consultant will be covered separately.
Required expertise,	Education: At least a Bachelor's degree in information technologies (or a web
qualifications and	programming certificate from any accredited institution);
competencies, including	Work Experience: At least 3 years of professional experience in the areas of web
language requirements:	programming (preferably experience in OpenSDG platform development or similar open source solution);
	Skills and knowledge areas: Possession of graphic design skills in addition to web
	programming.
	Competencies and values:
	Competencies: Focuses on impact and results and responds positively to feedback;
	Approaches work with energy and a positive, constructive attitude.
	Values: Demonstrates integrity and fairness by modelling UN values and ethical standards;
	Demonstrates professional competence and is conscientious and efficient in meeting
	commitments, observing deadlines and achieving results;
	Displays cultural, gender, nationality, religion and age sensitivity and adaptability.
Inputs / services to be	UNFPA will provide data values for all indicators to be presented. Data series will depend
provided by UNFPA or	on the availability of data on official sites of statistical and public health institutions. Upon
implementing partner (e.g	request from these institutions, data might be altered to show updated values. UNFPA will
support services, office	also provide translation of all indicators and articles in all 4 languages, as well as logos of
space, equipment), if	all relevant partners to be integrated into the platform.
applicable:	
Other relevant information or	N/A
special conditions, if any:	
Signature of Requesting Officer	in Hiring Office:

Date: 10 March 2021

## **ANNEX 1: LIST OF INDICATORS [WITH DISAGGREGATION DETAILS]**

# Group 1: Population data

- 1. Number of population by age and sex [state and entity level; sex; age]
- 2. Number of population by age groups and sex [state and entity level; sex; age group]
- 3. Number of population by municipality, age and sex [municipal level; sex; age]
- 4. Number of live births and deaths by sex [state and entity level; sex]
- 5. Natural growth rate [state and entity level]
- 6. Dependency ratios by type and sex [state level; total, young age, old age and older persons to youth; sex]
- 7. Crude birth rate [state and entity level]
- 8. Fertility rate by type [state level; total and age specific]
- 9. Sex ratio at birth [state and entity level]
- 10. Average age of mothers at first birth [state and entity level]
- 11. Number of births by teenage mothers by age group [state and entity level; age 13-14 and 15-19]
- 12. Average age of population by sex [state and entity level; sex]
- 13. Crude death rate [state and entity level]
- 14. Average age at death by sex [state and entity level; sex]
- 15. Life expectancy at birth by sex [state and entity level; sex]
- 16. Number of infant (children up to 12 months of age) deaths by sex [state and entity level; sex]
- 17. Infant mortality rate by sex [state and entity level; sex]
- 18. Number of marriages [state and entity level]
- 19. Marriage rate [state and entity level]
- 20. Average age at first marriage by sex [state and entity level; sex]
- 21. Number of divorces [state and entity level]
- 22. Divorce rate (per 1,000 marriages) [state and entity level]
- 23. Number of households [state level; household size]

#### Group 2: Population projections 2020-2070

- 24. Projected number of population by age and sex [state level; sex; age]
- 25. Projected number of population by age groups and sex [state level; sex; age group]
- 26. Projected population change to base year (2018) by age group [state level; age group]

- 27. Projected share in total population by age group [state level; age group]
- 28. Projected dependency ratios by type and sex [state level; total, young age, old age and older persons to youth; sex]
- 29. Projected average age of population [state level]
- 30. Projected number of live births and deaths [state level]
- 31. Projected crude birth rate [state level]
- 32. Projected crude death rate [state level]

#### Group 3: Health data

- 33. Number of deaths by cause of death and sex [state level; ICD-10 classification; sex]
- 34. Number of deaths by cause of death per 100,000 population [state level; ICD-10]
- 35. Number of stillbirths by sex [state and entity level; sex]
- 36. Stillbirth rate (per 1,000 live births) [state and entity level]
- 37. Number of new cases of cervical cancer [state and entity level]
- 38. Number of new cases of cervical cancer per 100,000 female population [state and entity level]
- 39. Number of new cases of breast cancer [state and entity level]
- 40. Number of new cases of breast cancer per 100,000 female population [state and entity level]
- 41. Number of new cases of syphilis [state and entity level]
- 42. Number of new cases of gonorrhoea [state and entity level]
- 43. Number of new cases of AIDS clinically diagnosed [state and entity level]
- 44. Number of new cases of HIV [state and entity level]
- 45. Number of new cases of HIV per 100,000 population [state and entity level]
- 46. Number of caesarean sections [state and entity level]
- 47. Number of caesarean sections per 1,000 live births [state and entity level]
- 48. Number of beds in hospitals [state and entity level]
- 49. Number of beds in hospitals per 100,000 population [state and entity level]
- 50. Number of medical doctors providing health care in public institutions [state and entity level]
- 51. Number of medical doctors providing health care in public institutions per 100,000 population [state and entity level]
- 52. Number of general practitioners [state and entity level]
- 53. Number of population per general practitioner [state and entity level]
- 54. Number of midwives [state and entity level]
- 55. Contraceptive prevalence rate (total) [state and entity level]
- 56. Contraceptive prevalence rate (traditional methods) [state and entity level]
- 57. Contraceptive prevalence rate (modern methods) [state and entity level]
- 58. Percentage of unmet need for family planning [state and entity level]
- 59. Percentage of satisfied demand for family planning [state and entity level]
- 60. Percentage of deliveries with skilled attendant at delivery [state and entity level]
- 61. Percentage of institutional deliveries [state and entity level]
- 62. Percentage of women 15-49 who married before age 15 [state and entity level]
- 63. Percentage of women 20-49 who married before age 18 [state and entity level]
- 64. Percentage of young women 15-19 who are currently married or in union [state and entity level]
- 65. Percentage of women 15-49 who believe husband/partner has the right to hit or beat his wife/partner [state and entity level]
- 66. Percentage of women 15-49 who have comprehensive knowledge about HIV prevention [state and entity level]
- 67. Percentage of women 15-49 who have accepting attitudes towards people living with HIV [state and entity level]
- 68. Percentage of women 15-24 who had sex with non-regular partners [state and entity level]
- 69. Percentage of women 15-24 who used condom with non-regular partners [state and entity level]

#### Group 4: Education data

- 70. Number of population per educational attainment and sex [state level; type of education; sex]
- 71. Percentage of population in total population per educational attainment and sex [state level; type of education; sex]
- 72. Number of children enrolled in public educational institutions per type of institution and sex [state level; type of educational institution; sex]
- 73. Percentage of young people 15-24 who are not in employment, education or training (NEET) by sex [state level; sex]

- 74. GDP (BAM) per type [state and entity level; total and per capita]
- 75. GDP per foreign currencies and type [state level; EUR and USD; total and per capita]
- 76. Percentage of households living in relative poverty [state and entity level]
- 77. Percentage of population living in relative poverty by sex [state and entity level; sex]

## Group 6: Labour force data

- 78. Labour force participation rate (Percentage of active population (labour force) in working age population (15-64) by age group and sex) [state level; sex; age group]
- 79. Employment-to-population ratio (Percentage of employed population in working age population (15-64) by age group and sex) [state level; sex; age group]
- 80. Unemployment rate (Percentage of unemployed population in active population (labour force) by age group and sex) [state level; sex; age group]