

Supplementary files

Supplementary file I: Questionnaire used to conduct the online survey during Step 1

General presentation of the recommendations of societies	
<p>1. To what extent do you think that the publications related to DRVs from the following society are sufficiently up-to-date to be included?</p> <ul style="list-style-type: none"> - ANSES - SHC - D-A-CH - EFSA - NNR - SACN/COMA - SINU 	<p><input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all</p> <p><input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all</p> <p><input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all</p> <p><input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all</p> <p><input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all</p> <p><input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all</p> <p><input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all</p>
<p>2. To what extent do you think a society that publishes only in one (or mostly in one) of the national languages can be selected?</p>	<p><input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all</p>
<p>3. To what extent do you think a society that publishes only in English can be selected?</p>	<p><input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all</p>
Analysis of the methodologies used by the societies to define their DRVs	
<p>4. Based on the methodologies used by each of the societies below to define the DRVs for the 7 nutrients, to what extent would you select this society?</p> <ul style="list-style-type: none"> - ANSES - SHC - D-A-CH - EFSA - NNR - SACN/COMA - SINU 	<p><input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all</p> <p><input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all</p> <p><input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all</p> <p><input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all</p> <p><input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all</p> <p><input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all</p> <p><input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all</p> <p><input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all</p>
<p>5. To what extent do you think that a society that uses predominantly the methodologies and DRVs of another society can be selected?</p>	<p><input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all</p>
<p>6. Is there one or more subgroup(s) of the population for which the methodology seems inadequate? If yes, for which subgroup(s), nutrient(s) and for which society-ies?</p>	<p><input type="checkbox"/> No <input type="checkbox"/> Yes</p>
<p>7. Is there one or more nutrient(s) for which the methodology seems inadequate? If yes, for which one(s) and for which society-ies?</p>	<p><input type="checkbox"/> No <input type="checkbox"/> Yes</p>

Analysis of the DRVs	
<p>8. Following the analysis of the DRVs defined for the 7 nutrients (values themselves), do you think that the following society could provide suitable DRVs for Switzerland?</p> <ul style="list-style-type: none"> - ANSES - SHC - D-A-CH - EFSA - NNR - SACN/COMA - SINU 	<ul style="list-style-type: none"> <input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all <input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all <input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all <input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all <input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all <input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all <input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all
<p>9. Do you have any comments about the DRV of one or more nutrients?</p>	<p>Free answer</p>
General opinion	
<p>10. Based on the intermediate report, to what extent do you think the following societies should be preselected for Step 2 analysis?</p> <ul style="list-style-type: none"> - ANSES - SHC - D-A-CH - EFSA - NNR - SACN/COMA - SINU 	<ul style="list-style-type: none"> <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> I can't say <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> I can't say <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> I can't say <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> I can't say <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> I can't say <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> I can't say <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> I can't say
<p>11. Based on the intermediate report, what would be your order of preference for the preselection of the societies for Step 2 analysis?</p>	<p>Arrange the seven societies according to your order of preference (1 = the most appropriate; 7 = the least appropriate)</p>
General comments	
<p>12. Do you have any general comments on the project (analysis, methodology, next step...) that may be discussed during the individual interviews?</p>	<p>Free answer</p>

Supplementary file II: Questionnaire used to conduct the online survey during Step 2

Completeness of the recommendations of the two societies	
1. Based on the completeness of the recommendations of the two societies for macronutrients , do you think the following society may be selected? - D-A-CH - EFSA	<input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all <input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all
2. Based on the completeness of the recommendations of the two societies for macronutrients , which society would you prefer?	<input type="checkbox"/> D-A-CH <input type="checkbox"/> EFSA <input type="checkbox"/> Both
3. Based on the completeness of the recommendations of the two societies for macronutrients , do you think some nutrients may be problematic?	<input type="checkbox"/> Yes <input type="checkbox"/> No
4. If yes, which macronutrients ? And what would you propose?	Free answer
5. Based on the completeness of the recommendations of the two societies for vitamins , do you think the following society may be selected? - D-A-CH - EFSA	<input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all <input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all
6. Based on the completeness of the recommendations of the two societies for vitamins , which society would you prefer?	<input type="checkbox"/> D-A-CH <input type="checkbox"/> EFSA <input type="checkbox"/> Both
7. Based on the completeness of the recommendations of the two societies for vitamins , do you think some nutrients may be problematic?	<input type="checkbox"/> Yes <input type="checkbox"/> No
8. If yes, which vitamins ? And what would you propose?	Free answer
9. Based on the completeness of the recommendations of the two societies for minerals and trace elements , do you think the following society may be selected? - D-A-CH - EFSA	<input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all <input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all
10. Based on the completeness of the recommendations of the two societies for minerals and trace elements , which society would you prefer?	<input type="checkbox"/> D-A-CH <input type="checkbox"/> EFSA <input type="checkbox"/> Both
11. Based on the completeness of the recommendations of the two societies for minerals and trace elements , do you think some nutrients may be problematic?	<input type="checkbox"/> Yes <input type="checkbox"/> No

<p>12. If yes, which minerals and trace elements? And what would you propose?</p>	<p>Free answer</p>
<p>Comparison of DRVs and methodologies used by the societies</p>	
<p>13. Based on the comparison of DRVs and methodologies used by the two societies for macronutrients, do you think the following society may be selected?</p> <ul style="list-style-type: none"> - D-A-CH - EFSA 	<p><input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all <input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all</p>
<p>14. Based on the comparison of DRVs and methodologies used by two societies for macronutrients, which society would you prefer?</p>	<p><input type="checkbox"/> D-A-CH <input type="checkbox"/> EFSA <input type="checkbox"/> Both</p>
<p>15. Based on the comparison of DRVs and methodologies used by the two societies for macronutrients, do you think some nutrients may be problematic?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>16. If yes, which macronutrients? And what would you propose?</p>	<p>Free answer</p>
<p>17. Based on the comparison of DRVs and methodologies used by the two societies for vitamins, do you think the following society may be selected?</p> <ul style="list-style-type: none"> - D-A-CH - EFSA 	<p><input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all <input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all</p>
<p>18. Based on the comparison of DRVs and methodologies used by two societies for vitamins, which society would you prefer?</p>	<p><input type="checkbox"/> D-A-CH <input type="checkbox"/> EFSA <input type="checkbox"/> Both</p>
<p>19. Based on the comparison of DRVs and methodologies used by the two societies for vitamins, do you think some nutrients may be problematic?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>20. If yes, which vitamins? And what would you propose?</p>	<p>Free answer</p>
<p>21. Based on the comparison of DRVs and methodologies used by the two societies for minerals and trace elements, do you think the following society may be selected?</p> <ul style="list-style-type: none"> - D-A-CH - EFSA 	<p><input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all <input type="checkbox"/> Yes, absolutely <input type="checkbox"/> Rather yes <input type="checkbox"/> Rather no <input type="checkbox"/> Not at all</p>
<p>22. Based on the comparison of DRVs and methodologies used by two societies for minerals and trace elements, which society would you prefer?</p>	<p><input type="checkbox"/> D-A-CH <input type="checkbox"/> EFSA <input type="checkbox"/> Both</p>

<p>23. Based on the comparison of DRVs and methodologies used by the two societies for minerals and trace elements, do you think some nutrients may be problematic?</p>	<p><input type="checkbox"/> Yes <input type="checkbox"/> No</p>
<p>24. If yes, which minerals and trace elements? And what would you propose?</p>	<p>Free answer</p>
<p>25. For all nutrients, we have considered a difference between the DRVs of the two societies $\geq 15\%$ as scientifically significant. For you, what would be a clinically significantly cut-off?</p>	<p>Free answer</p>
<p>General opinion including accessibility of basic data</p>	
<p>26. Which society would you select considering the following criteria:</p> <ul style="list-style-type: none"> - Accessibility of scientific reports - Completeness of recommendations - Comparison of DRVs and methodologies used by the two societies - Credibility of the society - Acceptability of the new DRVs in comparison with the current values of the FCN - Applicability in practice of the DRVs in Switzerland including consistency with legislation 	<p><input type="checkbox"/> D-A-CH <input type="checkbox"/> EFSA <input type="checkbox"/> Both</p> <p><input type="checkbox"/> D-A-CH <input type="checkbox"/> EFSA <input type="checkbox"/> Both</p> <p><input type="checkbox"/> D-A-CH <input type="checkbox"/> EFSA <input type="checkbox"/> Both</p> <p><input type="checkbox"/> D-A-CH <input type="checkbox"/> EFSA <input type="checkbox"/> Both</p> <p><input type="checkbox"/> D-A-CH <input type="checkbox"/> EFSA <input type="checkbox"/> Both</p> <p><input type="checkbox"/> D-A-CH <input type="checkbox"/> EFSA <input type="checkbox"/> Both</p>
<p>27. Overall, based on the 2nd intermediate report, which society would you prefer?</p>	<p><input type="checkbox"/> D-A-CH <input type="checkbox"/> EFSA <input type="checkbox"/> Both</p>
<p>28. Do you have any general comments about the choice of the society?</p>	<p>Free answer</p>
<p>General comments</p>	
<p>29. Do you have any general comments on the project that should be discussed during the focus group?</p>	<p>Free answer</p>

Supplementary file III: Definitions of population subgroups by the different societies

Societies	Age group: 0 – 12 months	Age group: 1 – 18 years	Age group: adults (years)	Upper age group (years)	Other groups
ANSES	0-5, 6-11	12-35, 4-5, 6-9, 10-13, 14-17	> 18	> 65	Pregnancy Breastfeeding
SHC Example for calcium	0-5, 6-11	1-3, 4-6, 7-10, 11-14, 15-18	18-60	> 60	Pregnancy Breastfeeding
Example for iron	0-3, 5-6, 7-12	1-3, 4-5, 6-9, 10-13, 14-17	18-30, 31-60, 61-71	> 74	Pregnancy Breastfeeding
D-A-CH	0-3, 4-12	1-3, 4-6, 7-9, 10-12, 13-14, 15-18	19-24, 25-50, 51-64	≥ 65	
EFSA Example for calcium	7-11	1-3, 4-10, 11-17	18-24, > 25		
Example for protein	6-12	18 months, 2, 3 → 17	18-59	> 60	Pregnancy: trimester 1 to 3 Breastfeeding: semester 1 to 2
FNC Example for fluor	0-4, 4-12	1-4, 4-7, 7-10, 10-13, 13-15, 15-19	19-25, 25-51, 51-65	> 65	Pregnancy Breastfeeding
NNR Macronutrients	6-12	12-23 months			Pregnancy Breastfeeding
Micronutrients	< 6, 6-12	12-23 months, 2-5, 6-9, 10-13, 14-17	18-30, 31-60, 61-74	> 74	
SACN		1, 2-3, 4-6, 7-10, 11-14, 15-18	19-64, 65-74	> 75	
SINU	6-12	1-3, 4-6, 7-10, 11-14, 15-17	18-19, 30-59, 60-74	> 75	Pregnancy: trimester 1 to 3 Breastfeeding: semester 1 to 2