

# Een blik op de toekomst

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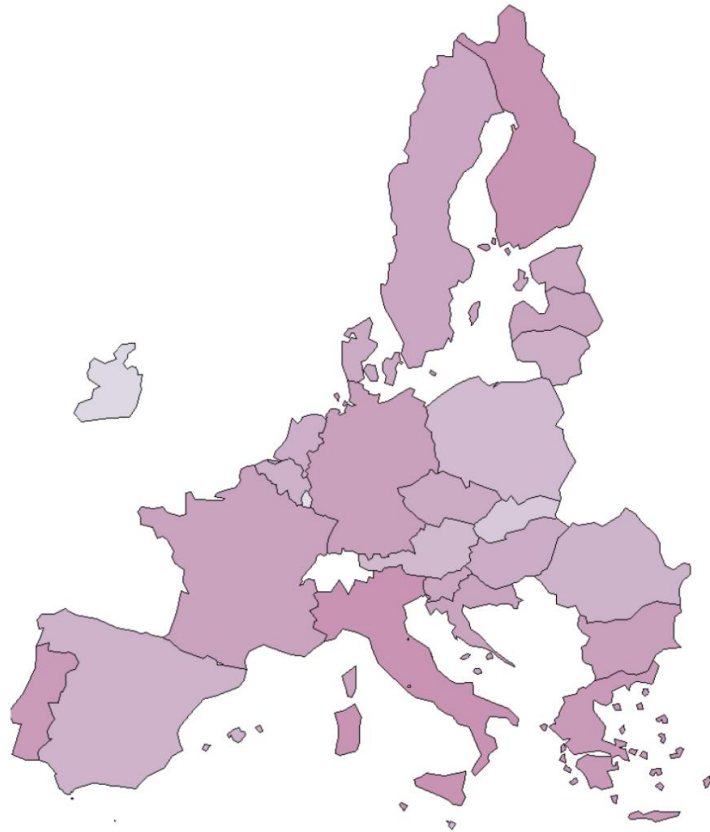
Pol Grootswagers, PhD

Assistant Professor in Nutrition and Ageing

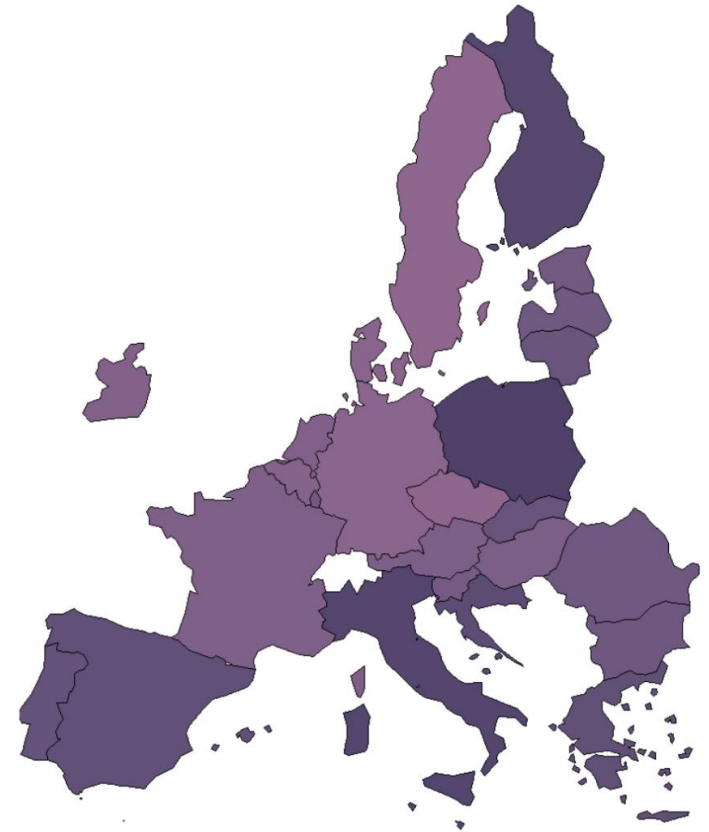


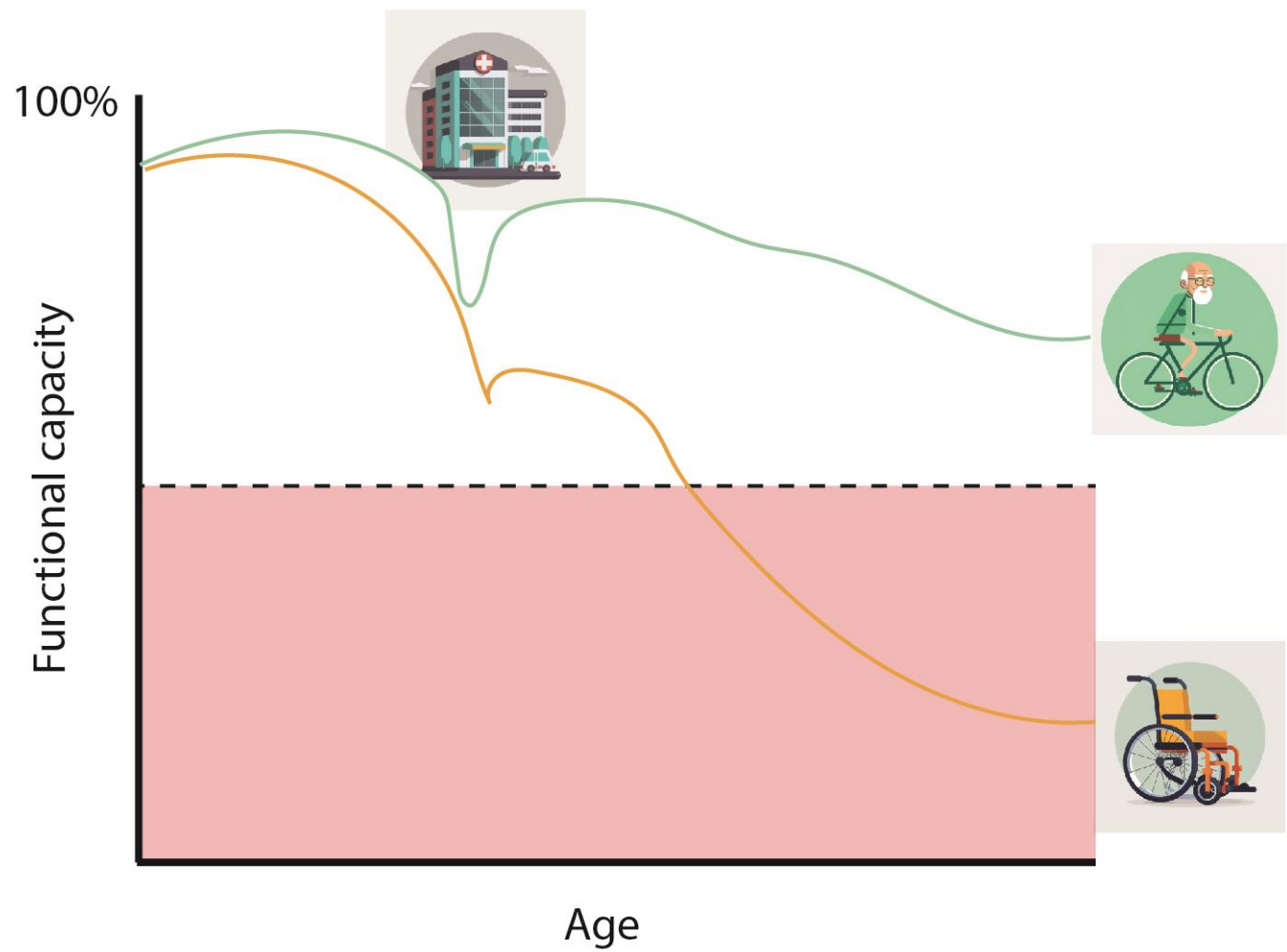


Dependency ratio 2021



Dependency ratio 2100

















# UNI2MOVE

<https://www.clever-move.nl/uni2move.html>

## Ontbijt

### Ontbijt

Susanne Wildemast, voedingsonderzoeker



	Start	Eind
Kracht 1RM:	74.5 kg	86 kg
5x Chair stand:	6s	4s
Eiwitname:	79g	89g
Eiwit bij ontbijt:	17g	24g











Noordwest  
Ziekenhuisgroep

Noordwest Piincentrum 

Noordwest Pijnce



## Benefits



lower GHG  
emissions



lower T2D  
risk



Phytochemicals  
and antioxidants



More fibre  
less SFA



lower CVD  
risk

## Risks



Lower protein  
quantity



Lower protein  
quality



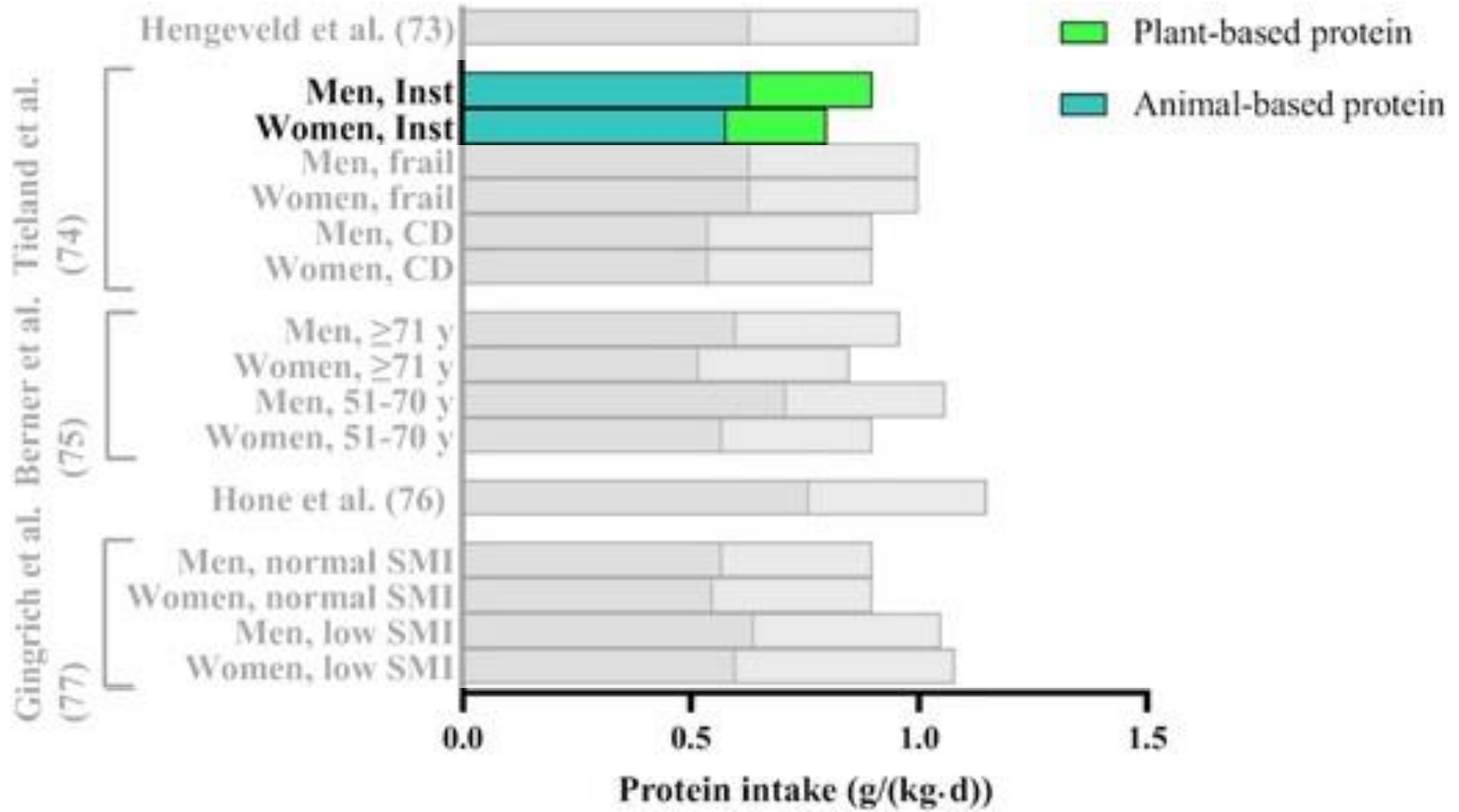
Decreased cognitive  
functioning



Lower BMD



Decreased  
muscle health







+ methionine  
- lysine



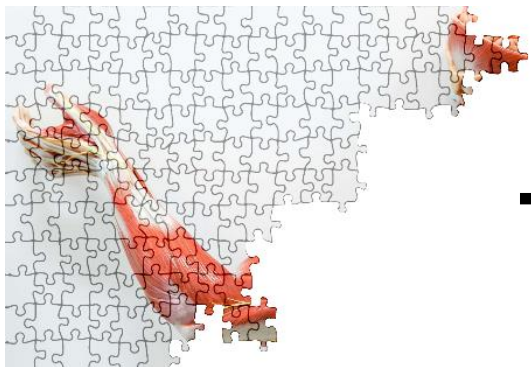
+

- methionine  
+ lysine



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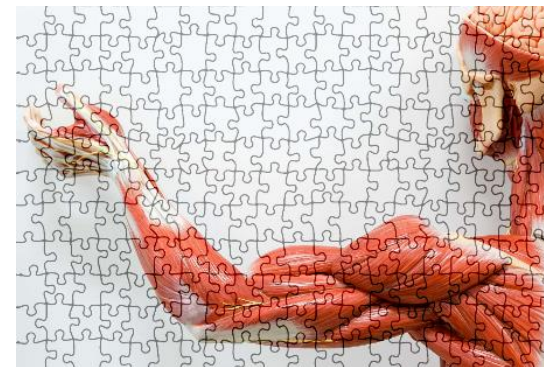
+ methionine  
+ lysine



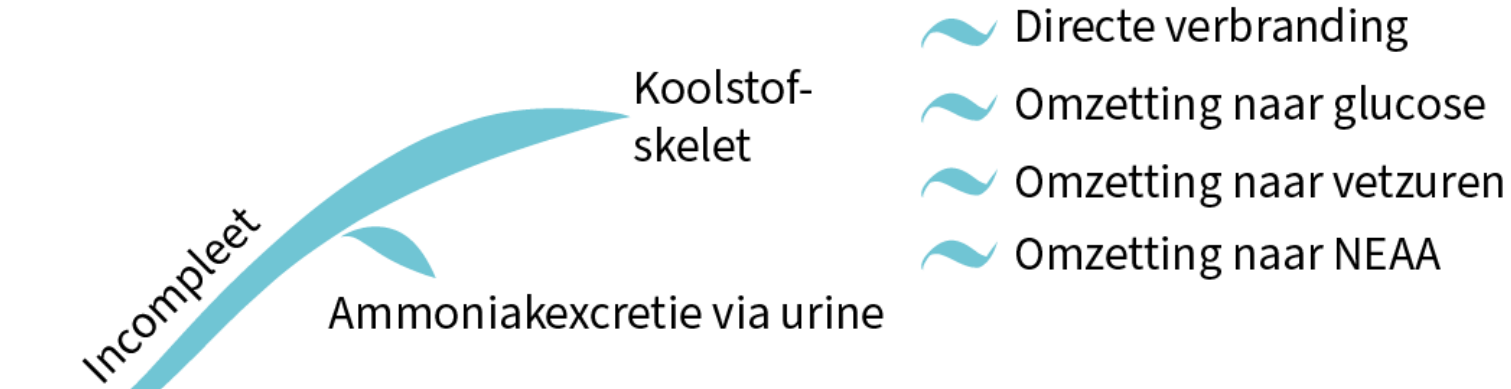
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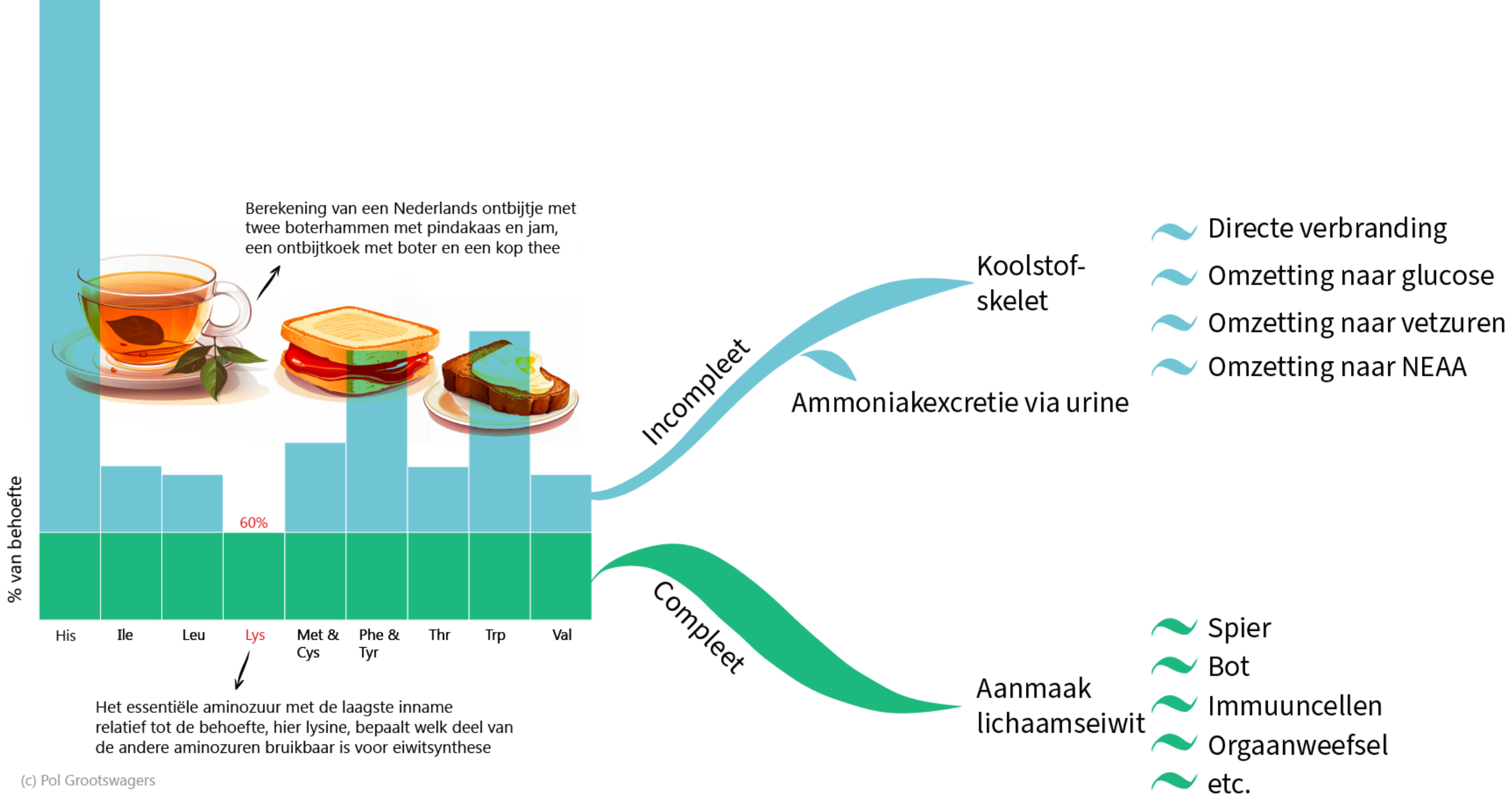


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		Isoleucine	Leucine	Lysine	Methionin	Cysteine	Phenylalar	Tyrosine	Threonine
18	NEVO-cod Engelse na ProtInRecept	0	0	0	0	0	0	0	0
19	189 Peaches in syrup tinned	34.81	54.07	44.44	8.89	2.22	37.78	16.3	31.85
20	190 Prunes	0	0	0	0	0	0	0	0
21	191 Plums in syrup tinned	2.8	72.15	121.08	104.56	18.14	3.03	70.93	32.89
22	192 Fruit mixec	100	137	129	26	52	79	137	100
23	193 Figs dried	0	0	0	0	0	0	0	0
24	194 Fruit in syrup tinned	0	0	0	0	0	0	0	0
25	195 Infant food fruit 8 months	273.3	457.5	418.63	78.04	87.91	352.84	175.82	234.13
26	196 Peas marrowfat canned	241.86	430.99	372.68	81.13	58.82	294.08	155.41	224.62
27	197 Beans white baked in tomato sau	873.12	1617.26	681.71	191.41	290.7	1238.54	707.3	678.64
28	198 Almonds blanched unsalted	1001.95	1804.52	1123.1	381.1	392.45	1082.71	681.43	841.69
29	199 Cashew nuts unsalted	550.45	1081.82	461.36	213.18	259.85	707.42	460.3	485.76
30	200 Hazelnuts unsalted	165.65	270.87	150.43	97.83	105.22	210.43	143.04	127.83
31	201 Chestnuts raw	134.77	267.08	193.23	75.08	73.23	181.54	99.69	136.62
32	202 Coconut meat	582	1220	527	1080	416	666	416	416
33	203 Brazil nuts unsalted	1071.56	1951.33	977.89	372.42	372.42	1449.56	977.89	744.85
34	204 Peanuts unsalted	11	398	772.5	356.5	331.34	194.3	492.67	292.94
35	205 Mixed nut!	631.49	1195.32	475.87	285.3	294.32	748.77	535.64	567.21
36	206 Walnuts unsalted	21.4	923.74	1686.97	875.72	356.67	352.81	1167.41	772.43
37	207 Nuts mixer	322.5	606.75	557.25	186.75	195.75	437.25	253.5	357.75
38	208 Flour buckwheat	267.87	1110.67	53.2	145.6	88.67	368.67	190.4	212.8
39	209 Breakfast cereal Cornflakes Kello								

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```
19 template<...>
20 unsigned int levenshtein(const vector<unsigned int> &col, unsigned int len2, unsigned int len1) {
21     const size_t len1 = s1.size(), len2 = s2.size();
22     vector<unsigned int> col(len2+1), prevCol(len2+1);
23     for (unsigned int i = 0; i < prevCol.size(); i++)
24         prevCol[i] = i;
25     for (unsigned int i = 0; i < len1; i++) {
26         col[0] = i+1;
27         for (unsigned int j = 0; j < len2; j++)
28             col[j+1] = std::min( std::min( prevCol[i+1] + 1, col[j] + 1, prevCol[j] + (s1[i]==s2[j] ? 0 : 1) ));
29     }
30     col.swap(prevCol);
31     return prevCol[len2];
32 }
33 ... static void ... table6 table, ... size_t l, size_t r, ...
```



Project Alpha



**Belangrijkste realiteiten: vergrijzing & klimaatverandering**



**Gebruik beweging, goede voedingsstatus en eiwitname om langer zelfstandig te blijven.**



**E-Health is nodig met relatief minder mensen in de zorg**



**Meer plantaardig eten goed plannen, aandacht voor eiwitkwantiteit, eiwitkwaliteit en micronutriënten**