1. Welcome and apologies for absence

The Chair welcomed the participants. No apologies were received.

This meeting, originally scheduled as a physical meeting, was converted into a webconference to avoid traveling to Parma in line with the measures established to reduce the risk of coronavirus infection.

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1. Participated on 17 and on 18 March.
2. Adoption of agenda

The agenda was adopted after the deletion of “STABILFLOR® (Mixture of ZnEDTA and Cu(NH₄)₂EDTA chelates, on chicory pulp carrier, supplemented with 3b E6 ZnO and 3b E4 CuO) for pigs (EFSA-Q-2017-00627)” and the addition of “Botanically defined flavourings from Botanical Group 09 - Zingiberales for all animal species and categories: ginger oil, ginger oleoresin, ginger tincture and ginger extract from Zingiber officinale Roscoe (EFSA-Q-2017-00533)”, “L-Cysteine hydrochloride monohydrate by fermentation with Escherichia coli KCCM 80109 and Escherichia coli KCCM 80197 for all animal species (EFSA-Q-2019-00041)”, “GalliPro® Fit (Bacillus subtilis DSM 32324, Bacillus subtilis DSM 32325 and Bacillus amyloliquefaciens DSM 25840) for chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding and minor poultry species (EFSA-Q-2019-00117)” and “Montmorillonite-illite for all animal species (EFSA-Q-2019-00334)”.

3. Declarations of Interest of Panel members

In accordance with EFSA’s Policy on Independence² and the Decision of the Executive Director on Competing Interest Management³, EFSA screened the Annual Declarations of Interest filled out by the Panel members invited to the present meeting. No Conflicts of Interest related to the issues discussed in this meeting have been identified during the screening process, and no interests were declared orally by the members at the beginning of this meeting.

4. Report on written procedures since the 144th FEEDAP Plenary meeting

The minutes of the 144th FEEDAP Plenary meeting were agreed by written procedure on 7 February 2020⁴.

5. Scientific topics for discussion

5.1. Propyl gallate for all animal species (EFSA-Q-2010-01043)

This question refers to the authorisation under Article 4 and the re-evaluation under Article 10 of Regulation (EC) No 1831/2003 of propyl gallate as a technological additive for all animal species.

The draft opinion was discussed focusing mainly on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.

5.2. Phosphoric acid 60% on silica carrier (UD60) for all animal species (EFSA-Q-2011-00420)

This question refers to the re-evaluation under Article 10 of Regulation (EC) No 1831/2003 of phosphoric acid 60% on silica carrier as a technological additive for all animal species.

Given the amount of information missing from the dossier, the Panel is not able to perform an assessment of this application. The Panel unanimously adopted the statement.
5.3. **Shellac for all animal species (EFSA-Q-2011-00766)**

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of shellac as a technological additive for all animal species.

Given the amount of information missing from the dossier, the Panel is not able to perform an assessment of this application. The Panel unanimously adopted the statement.

5.4. **Lignosulphonate of magnesium (CaimaBond) for all animal species (EFSA-Q-2014-00458)**

This question refers to the re-evaluation under Article 10 of Regulation (EC) No 1831/2003 of lignosulphonate of magnesium as a technological additive for all animal species.

Given the amount of information missing from the dossier, the Panel is not able to perform an assessment of this application. The Panel unanimously adopted the statement.

5.5. **Nimicoat® (carvacrol) for weaned piglets (EFSA-Q-2016-00076)**

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of Nimicoat® (carvacrol) as a zootechnical additive for weaned piglets.

The draft opinion was discussed focusing mainly on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.

5.6. **L-Histidine monohydrochloride monohydrate for salmonids and other fin fish (EFSA-Q-2016-00305, EFSA-Q-2018-00546)**

These questions refer to the renewal of the authorisation under Article 14 of Regulation (EC) No 1831/2003 of L-histidine monohydrochloride monohydrate as a nutritional additive for salmonids and to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of the same product as a nutritional additive for other fin fish.

The draft opinion was discussed focusing mainly on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.

5.7. **Biacton® (Lactobacillus farciminis CNCM I-3740) for laying hens, chickens and turkeys for fattening (EFSA-Q-2016-00711)**

This question refers to the re-evaluation under Article 10 of Regulation (EC) No 1831/2003 of Biacton® (Lactobacillus farciminis CNCM I-3740) as a zootechnical additive for laying hens, chickens for fattening and turkeys for fattening.

The draft opinion was discussed focusing mainly on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.

5.8. **Biacton® (Lactobacillus farciminis CNCM I-3740) for piglets (weaned) (EFSA-Q-2016-00712)**

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of Biacton (Lactobacillus farciminis CNCM I-3740) as a zootechnical additive for weaned piglets.

The draft opinion was discussed focusing mainly on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.
5.9. *Lactobacillus rhamnosus* CNCM I-3698 and *Lactobacillus farciminis* CNCM I-3699 for all animal species [(EFSA-Q-2017-00754)]

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of *Lactobacillus rhamnosus* CNCM I-3698 and *Lactobacillus farciminis* CNCM I-3699 as a technological additive for all animal species.

The draft opinion was discussed focusing mainly on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.

5.10. **Sorbiflore®** (*Lactobacillus rhamnosus* CNCM I-3698 and *Lactobacillus farciminis* CNCM I-3699) for chickens for fattening [(EFSA-Q-2017-00756)]

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of **Sorbiflore®** (*Lactobacillus rhamnosus* CNCM I-3698 and *Lactobacillus farciminis* CNCM I-3699) as a zootechnical additive for chickens for fattening.

The draft opinion was discussed focusing mainly on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.

5.11. Capsozyme SB Plus (endo-1,4-beta-xylanase and alpha-galactosidase) for chickens for fattening, chickens reared for laying and minor poultry species for fattening and reared for laying [(EFSA-Q-2017-00837)]

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of Capsozyme SB Plus (endo-1,4-beta-xylanase and alpha-galactosidase) as a zootechnical additive for chickens for fattening, chickens reared for laying and minor poultry species for fattening and reared for laying.

The draft opinion was discussed focusing mainly on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.

5.12. Ammonium formate (E 295) for all animal species [(EFSA-Q-2018-00341)]

EFSA was requested to deliver an opinion on the safety of ammonium formate as a technological additive for all animal species based on the additional information provided by the applicant.

The draft opinion was discussed focusing mainly on the safety of the additive for target animals and consumers. The Panel unanimously adopted the opinion.

5.13. **Sorbiflore®** Advance (*Lactobacillus rhamnosus* CNCM I-3698 and *Lactobacillus farciminis* CNCM I-3699) for piglets (weaned) [(EFSA-Q-2018-00422)]

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of **Sorbiflore®** Advance (*Lactobacillus rhamnosus* CNCM I-3698 and *Lactobacillus farciminis* CNCM I-3699) as a zootechnical additive for weaned piglets.

The draft opinion was discussed focusing mainly on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.

5.14. L-Tryptophan produced by fermentation with *Escherichia coli* KCCM 10534 for all animal species [(EFSA-Q-2018-00545)]

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of L-tryptophan produced by fermentation with *Escherichia coli* KCCM 10534 as a nutritional additive for all animal species.
The draft opinion was discussed focusing mainly on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.

5.15. **L-Glutamine produced using strain Corynebacterium glutamicum NITE BP-02524 for all animal species (EFSA-Q-2018-00693)**

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of L-glutamine produced using strain Corynebacterium glutamicum NITE BP-02524 as a nutritional and sensory additive for all animal species.

The draft opinion was discussed focusing mainly on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.

5.16. **L-Valine produced by fermentation with Escherichia coli K12 KCCM 80159 for all animal species (EFSA-Q-2018-00712)**

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of L-valine produced by fermentation with Escherichia coli K12 KCCM 80159 as a nutritional additive for all animal species.

The draft opinion was discussed focusing mainly on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.

5.17. **AveMix® XG 10 (endo-1,4-beta-xylanase and endo-1,3(4)-beta-glucanase) for chickens for fattening (EFSA-Q-2018-00762)**

This question refers to the renewal of the authorisation under Article 14 of Regulation (EC) No 1831/2003 of AveMix® XG 10 (endo-1,4-beta-xylanase and endo-1,3(4)-beta-glucanase) as a zootechnical additive for chickens for fattening.

The draft opinion was discussed focusing mainly on the characterisation and safety of the additive. The Panel unanimously adopted the opinion.

5.18. **Panavital feed (D-glyceric acid) for broiler chickens (EFSA-Q-2018-00999)**

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of Panavital feed (D-glyceric acid) as a zootechnical additive for chickens for fattening.

The draft opinion was discussed focusing mainly on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.

5.19. **Cygro® 10G (Maduramicin ammonium) for turkeys (EFSA-Q-2019-00035)**

EFSA was requested to deliver an opinion on the efficacy of Cygro® 10G (maduramicin ammonium) as a coccidiostat for turkeys based on the additional information provided by the applicant.

The draft opinion was discussed focusing on the efficacy of the additive. The Panel unanimously adopted the opinion.

5.20. **Dry grape extract 60-20 for dogs and cats (EFSA-Q-2019-00036)**

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of dry grape extract 60-20 as a sensory additive for dogs and cats.

The draft opinion was discussed focusing mainly on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.
5.21. MSG (monosodium L-glutamate) produced by fermentation with Corynebacterium glutamicum KCCM 80188 for all animal species (EFSA-Q-2019-00037)

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of MSG (monosodium L-glutamate) produced by fermentation with Corynebacterium glutamicum KCCM 80188 as a sensory additive for all animal species.

The draft opinion was discussed focusing mainly on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.

5.22. L-Lysine monohydrochloride for all animal species (EFSA-Q-2019-00331)

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of L-lysine monohydrochloride produced by fermentation with Corynebacterium glutamicum DSM 32932 as a nutritional additive for all animal species.

The draft opinion was discussed focusing on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.

5.23. AviPlus® (preparation of citric acid, sorbic acid, thymol and vanillin) for all porcine species (weaned), chickens for fattening, chickens reared for laying, minor poultry species for fattening, minor poultry species reared for laying (EFSA-Q-2019-00590)

This question refers to the renewal of the authorisation under Article 14 of Regulation (EC) No 1831/2003 of AviPlus® (preparation of citric acid, sorbic acid, thymol and vanillin) as a zootechnical additive for all porcine species (weaned), chickens for fattening, chickens reared for laying, minor poultry species for fattening, minor poultry species reared for laying.

The draft opinion was discussed focusing mainly on the characterisation of the additive and its safety. The Panel unanimously adopted the opinion.

5.24. Calcium formate (E 238) for all animal species (EFSA-Q-2019-00705)

EFSA was requested to deliver an opinion on the efficacy of calcium formate as a technological additive for all animal species based on the additional information provided by the applicant.

The draft opinion was discussed focusing on the efficacy of the additive. The Panel unanimously adopted the opinion.

5.25. Botanically defined flavourings from Botanical Group 09 - Zingiberales for all animal species and categories: ginger oil, ginger oleoresin, ginger tincture and ginger extract from Zingiber officinale Roscoe (EFSA-Q-2017-00533)

This question refers to the authorisation under Article 4 and the re-evaluation under Article 10 of Regulation (EC) No 1831/2003 of Botanically defined flavourings from Botanical Group 09 - Zingiberales: ginger oil, ginger oleoresin, ginger tincture and ginger extract from Zingiber officinale Roscoe as sensory additives for all animal species.

The draft opinion was discussed. The opinion will be presented for adoption in the next plenary meeting.
5.26. L-Cysteine hydrochloride monohydrate by fermentation with *Escherichia coli* KCCM 80109 and *Escherichia coli* KCCM 80197 for all animal species ([EFSA-Q-2019-00041](#))

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of L-cysteine hydrochloride monohydrate by fermentation with *Escherichia coli* KCCM 80109 and *Escherichia coli* KCCM 80197 as a sensory additive for all animal species.

The draft opinion was discussed focusing mainly on the characterisation of the additive and its safety. The Panel unanimously adopted the opinion.

5.27. GalliPro® Fit (*Bacillus subtilis* DSM 32324, *Bacillus subtilis* DSM 32325 and *Bacillus amyloliquefaciens* DSM 25840) for chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding and minor poultry species ([EFSA-Q-2019-00117](#))

This question refers to the authorisation under Article 4 of Regulation (EC) No 1831/2003 of GalliPro® Fit (*Bacillus subtilis* DSM 32324, *Bacillus subtilis* DSM 32325 and *Bacillus amyloliquefaciens* DSM 25840) as a zootechnical additive for chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding and minor poultry species.

The draft opinion was discussed focusing mainly on the characterisation, safety and efficacy of the additive. The Panel unanimously adopted the opinion.

5.28. Montmorillonite-Illite for all animal species ([EFSA-Q-2019-00334](#))

This question refers to the modification of the conditions of the authorisation under Article 13 of Regulation (EC) No 1831/2003 of Montmorillonite-Illite as a technological additive for all animal species.

The draft opinion was discussed focusing on the efficacy of the additive. The Panel unanimously adopted the opinion.

6. New mandates

6.1. New Applications under Regulation (EC) 1831/2003 since the previous meeting

The Commission has forwarded to EFSA the following new applications of feed additives seeking authorisation under Regulation (EC) No 1831/2003 since the last Plenary meeting. These applications were presented to the Panel:

<table>
<thead>
<tr>
<th>EFSA-Q-Number</th>
<th>Subject</th>
</tr>
</thead>
<tbody>
<tr>
<td>EFSA-Q-2020-00134</td>
<td>L-lysine monohydrochloride; Concentrated liquid L-lysine (base) for all animal species</td>
</tr>
<tr>
<td>EFSA-Q-2020-00136</td>
<td>Vitamin E / all-rac-alpha tocopheryl acetate for all animal species</td>
</tr>
<tr>
<td>EFSA-Q-2020-00142</td>
<td>Vitamin K1 (phytomenadione) for horses</td>
</tr>
<tr>
<td>EFSA-Q-2020-00146</td>
<td>Vitamin E / all-rac-alpha tocopheryl acetate (3a700) for all animal species</td>
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<tr>
<td>EFSA-Q-2020-00148</td>
<td>Vitamin E / all-rac-alpha tocopheryl acetate for all animal species</td>
</tr>
<tr>
<td>EFSA-Q-Number</td>
<td>Subject</td>
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<tr>
<td>EFSA-Q-2020-00149</td>
<td>Bonvital (<em>Enterococcus faecium</em> DSM 7134) for pigs for fattening and piglets (weaned)</td>
</tr>
<tr>
<td>EFSA-Q-2020-00155</td>
<td>MSG (monosodium L-glutamate) produced by fermentation with <em>Corynebacterium glutamicum</em> KCCM 80187 for all animal species</td>
</tr>
<tr>
<td>EFSA-Q-2020-00156</td>
<td>RRR alpha tocopheryl acetate for all animal species</td>
</tr>
<tr>
<td>EFSA-Q-2020-00160</td>
<td>Vitamin B2 (riboflavin) for all animal species</td>
</tr>
<tr>
<td>EFSA-Q-2020-00161</td>
<td>Preparation of 3-phytase produced by <em>Komagataella phaffii</em> (CECT 13171) presented in solid (FSF10000) and liquid (FLF1000) forms for chickens for fattening, chickens reared for laying, laying hens, turkeys for fattening, turkeys reared for breeding, minor poultry species, pigs for fattening and minor porcine species for fattening</td>
</tr>
<tr>
<td>EFSA-Q-2020-00169</td>
<td>Plexomin® L-Fe (Ferrous lysinate sulfate) for all animal species</td>
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<tr>
<td>EFSA-Q-2020-00174</td>
<td>Iron chelate of amino acids hydrate (Availa® Fe) for all animal species</td>
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<tr>
<td>EFSA-Q-2020-00176</td>
<td>Sodium benzoate for all animal species</td>
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<tr>
<td>EFSA-Q-2020-00181</td>
<td>Manganese chelate of amino acids hydrate (Availa® Mn) for all animal species</td>
</tr>
<tr>
<td>EFSA-Q-2020-00182</td>
<td>Copper chelate of amino acids hydrate (Availa® Cu) for all animal species</td>
</tr>
<tr>
<td>EFSA-Q-2020-00189</td>
<td>L-histidine monohydrochloride monohydrate produced by fermentation with <em>Escherichia coli</em> K-12 KCCM 80212 (H010) for all animal species</td>
</tr>
<tr>
<td>EFSA-Q-2020-00199</td>
<td>Balanciu5s (Muramidase) for Piglets (weaned)</td>
</tr>
<tr>
<td>EFSA-Q-2020-00201</td>
<td>Clinacox 0.5% (contains 0.5 g diclazuril per 100 g) for chickens for fattening</td>
</tr>
<tr>
<td>EFSA-Q-2020-00202</td>
<td>Preparation of <em>Bacillus subtilis</em> CNCM 1-4606, <em>Bacillus subtilis</em> CNCM I-5043, <em>Bacillus subtilis</em> CNCM 1-4607 and <em>Lactococcus lactis</em> CNCM 1-4609 (MixBaLac) for all animal species</td>
</tr>
<tr>
<td>EFSA-Q-2020-00203</td>
<td>Clinacox 0.5% (contains 0.5 g diclazuril per 100 g) for chickens reared for laying</td>
</tr>
<tr>
<td>EFSA-Q-2020-00212</td>
<td>Zinc chelate of amino acids hydrate (Availa® Zn) for all animal species</td>
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</tbody>
</table>

### 6.2. Valid applications under Regulation (EC) No 1831/2003 since the previous meeting

Applications considered valid for the start of the assessment:

<table>
<thead>
<tr>
<th>EFSA-Q-Number</th>
<th>Subject</th>
<th>Valid on</th>
</tr>
</thead>
<tbody>
<tr>
<td>EFSA-Q-2020-00180</td>
<td>Botanically defined flavourings from Botanical Group 14 - Malvales: Althaea tincture, Cocoa extract (sb), Cocoa absolute for all animal species and categories</td>
<td>06/02/2020</td>
</tr>
<tr>
<td>EFSA-Q-2020-00768</td>
<td>Nicarb® (nicarbazin) for chickens for fattening</td>
<td>09/03/2020</td>
</tr>
<tr>
<td>EFSA-Q-2020-00788</td>
<td>L-valine for all animal species</td>
<td>29/01/2020</td>
</tr>
<tr>
<td>EFSA-Q-2020-00802</td>
<td><em>Clostridium butyricum</em> FERM BP-2789 for chickens for fattening, chickens reared for laying, turkeys for fattening, turkeys reared for breeding, minor poultry species (excluding laying birds), piglets (suckling and weaned piglets), minor porcine species</td>
<td>04/02/2020</td>
</tr>
<tr>
<td>EFSA-Q-2020-00803</td>
<td>Correlink™ (<em>Bacillus subtilis</em> NRRL B-67257) for chickens for</td>
<td>04/02/2020</td>
</tr>
</tbody>
</table>
6.3. New questions under Regulation (EC) No 178/2002 since the previous meeting

<table>
<thead>
<tr>
<th>EFSA-Q-Number</th>
<th>Subject</th>
<th>Valid on</th>
</tr>
</thead>
<tbody>
<tr>
<td>EFSA-Q-2019-00804</td>
<td>KemTRACE chromium (Chromium propionate) for all growing poultry species</td>
<td>04/02/2020</td>
</tr>
<tr>
<td>EFSA-Q-2019-00814</td>
<td>Sunset Yellow FCF for cats and dogs, grain eating ornamental birds, ornamental fish, small rodents</td>
<td>07/02/2020</td>
</tr>
<tr>
<td>EFSA-Q-2020-00008</td>
<td>ZENzyme® (Zearalenone hydrolase) for all terrestrial animal species</td>
<td>13/02/2020</td>
</tr>
<tr>
<td>EFSA-Q-2020-00169</td>
<td>Plexomin® L-Fe (Ferrous lysinate sulfate) for all animal species</td>
<td>11/03/2020</td>
</tr>
</tbody>
</table>

These applications were assigned to the respective working groups, where relevant.

These questions were assigned to the respective working groups, where relevant.

7. Feedback from Scientific Committee/Scientific Panels, EFSA or the European Commission

7.1. Scientific Committee/Scientific Panels

The Chair of the Panel informed on the topics that were discussed on the last plenary meeting of the Scientific Committee.

7.2. EFSA

- The public consultation on the “EFSA statement on the requirements for whole genome sequence analysis of microorganisms intentionally used in the food chain” finalised on 28 February 2020. EFSA has started the assessment of the comments received and will consider the need to modify the statement.

7.3. European Commission

Not discussed.

8. Other scientific topics for information/or discussion

a) The Panel was informed on the progress made in the update of the Guidance on the renewal of feed additive authorisations (EFSA-Q-2019-00342).
9. Any other business

Not discussed.