



MULTILATERAL FRAMEWORK AGREEMENT

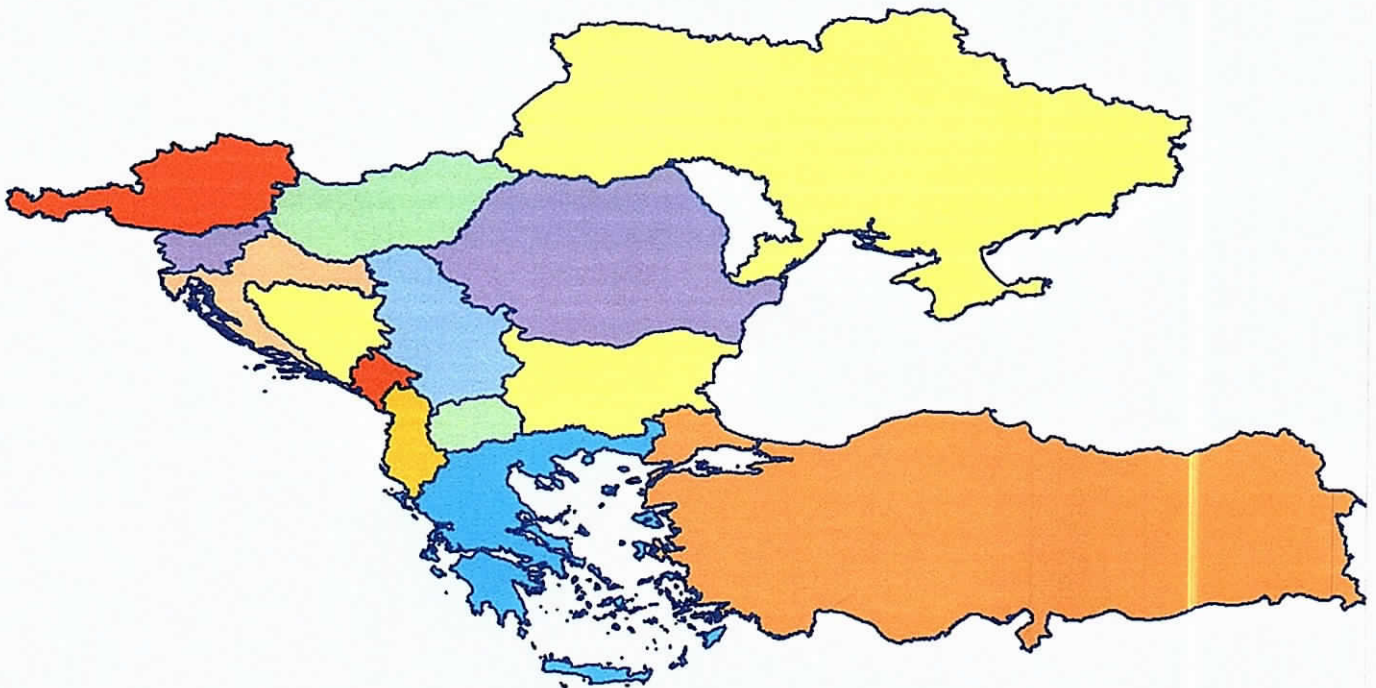
SOUTH EUROPEAN DIGITAL DIVIDEND IMPLEMENTATION FORUM - SEDDIF



Gödöllő, 6 December 2017

SOUTH EUROPEAN DIGITAL DIVIDEND IMPLEMENTATION FORUM

SEDDIF



MULTILATERAL FRAMEWORK AGREEMENT
BETWEEN THE ADMINISTRATIONS OF
ALBANIA, AUSTRIA, BOSNIA AND HERZEGOVINA, BULGARIA, CROATIA,
GREECE, FORMER YUGOSLAV REPUBLIC OF MACEDONIA, HUNGARY,
MONTENEGRO, ROMANIA, SERBIA, SLOVENIA, TURKEY AND UKRAINE
on the frequency plan for the future digital terrestrial television
in the frequency band 470-694 MHz

1. Preamble

This document describes the multilateral framework agreement (hereinafter: Agreement) between parties as described in the signing paragraph. It expresses the convergence-of-will between parties, indicating an intended common course of action. This document does not constitute a binding contract nor does it imply any legal commitment. This Agreement is the basis for bilateral agreements on assignments parameters.

2. Introduction

The Administrations of Albania, Austria, Bosnia and Herzegovina, Bulgaria, Croatia, Greece, Former Yugoslav Republic of Macedonia, Hungary, Montenegro, Romania, Serbia, Slovenia, Turkey and Ukraine (hereinafter: Administrations) established a group named South European Digital Dividend Implementation Forum (hereinafter: SEDDIF) with the main objective to facilitate the rearrangement of Geneva 2006 Plan (hereinafter GE06), in order to enable optimization of the future use of 470-694 MHz band for digital terrestrial television (hereinafter: DTT) networks and to facilitate the re-farming of the frequency band 694-790 MHz for terrestrial systems capable of providing wireless broadband electronic communications services, taking into account the effect of Digital Dividend I and II.

3. Principles and objectives

Having regard to:

- the equitable access to the frequency spectrum,
- the efficient use of the 470-694 MHz band (extension of original GE06 allotments)
- different quantitative and qualitative requirements on the future DTT use in the frequency band 470-694 MHz,
- the possibility of harmful interference,
- the technical and other challenges,

the Administrations successfully facilitated the multi country frequency coordination activities in order to implement the relevant broadcasting spectrum reallocation, with a view to:

- a. achieve mutual compatibility of the DTT spectrum resources to be used in the UHF band;
- b. facilitate any consequential modifications to the GE06 Plan.

The Administrations recognize that:

- this document has been done by technical investigation of the potential alternative future usage of the 470-694 MHz band, based on national needs;
- potentially short time scales for the final completion of the frequency reorganizations have been set;
- the countries have their own sovereign rights in the bi- and multilateral negotiations process;

and confirm that:

- SEDDIF has investigated the options for the potential reorganization of the DTT broadcasting plan in the 470-694 MHz band;
- the parties have agreed on a framework for a frequency plan in the 470-694 MHz band such as to allow the continuation of DTT;
- the responsibility for transition arrangements remains with the Administrations concerned.

4. Working method

At the meetings following 22-23 February 2016, each Administration submitted its DTT requirements. The submissions of the requirements were followed by an analysis of the compatibility by each Administration, as the starting point for the development of a common frequency plan.

Aiming to evaluate the most feasible solutions, the development of a common plan has been an iterative process, reflected in the Minutes of the SEDDIF Meetings as:

- the modifications to the proposals were evaluated taking into account national requirements;
- SEDDIF-external coordination areas were also taken into account to the extent possible.

5. Results of the activities

On the 6th December 2017 the Administrations agreed on the DTT frequency plan in the SEDDIF coordination area which is illustrated by channel distribution allotment maps given in the Annex of this Agreement.

The frequency plan is flexible and can be modified and developed with the agreement of the affected Administrations.

6. ITU coordination and notification

Administrations agree that they will not object to coordination requests in line with bilateral agreements between Administrations concerned, submitted to the ITU in the application of the Article 4 of GE06 Agreement.

7. Transition period

The Administrations recognize the necessity for a transition period and the final date of implementation of DTT requirements which are subject of this Agreement, shall be agreed on bilateral basis by specifying the detailed transitional arrangements.

The estimated starting dates of bringing into use and for full deployment dates of DTT requirements shall be the subject of bilateral agreements.

8. Language of the Agreement

This Agreement is prepared in English in a number of originals equal to the number of Signatory Administrations. Each Administration holds one original.

<p>For the administration of Albania: Audiovisual Media Authority (AMA)</p> <p>Place and Date:</p>	<p>For the administration of Austria: Austrian Regulatory Authority for Broadcasting and Telecommunications (RTR-GmbH)</p> <p></p> <p>Peter Reindl, Director Department Broadcasting Frequency Management</p> <p>Place and Date: Gödöllő, 6 December 2017</p>
<p>For the administration of Bosnia and Herzegovina: Communications Regulatory Agency (CRA)</p> <p></p> <p>Damir Karahodžić, Head of Broadcasting Department in Frequency Management</p> <p></p> <p>Senad Namgalija, Chief Expert, Broadcasting Department in Frequency Management</p> <p>Place and Date: Gödöllő, 6 December 2017</p>	<p>For the administration of Bulgaria: Communications Regulation Commission (CRC)</p> <p></p> <p>Miroslava Todorova, Director, Authorization and Frequency Planning Directorate</p> <p></p> <p>Vanya Staneva, Chief Expert, Broadcasting Department at the Authorization and Frequency Planning Directorate</p> <p>Place and Date: Gödöllő, 6 December 2017</p>
<p>For the administration of Croatia: Croatian Regulatory Authority for Network Industries (HAKOM)</p> <p></p> <p>Ivančica Sakal, Radiocommunications Department Manager</p> <p>Place and Date: Gödöllő, 6 December 2017</p>	<p>For the administration of Greece: Ministry of Digital Policy, Telecommunications and Media</p> <p></p> <p>Vassilios Maglaras, Secretary General for Telecommunications and Post</p> <p>Place and Date: Gödöllő, 6 December 2017</p>
<p>For the administration of Former Yugoslav Republic of Macedonia Agency for Electronic Communications (AEC)</p> <p></p> <p>Jane Jakimovski, Head of Radiocommunications Department</p> <p></p> <p>Lidija Paunovska, Head of Broadcasting and Satellite System Division</p> <p></p> <p>Petar Ivanoski, Head of Radiofrequency Spectrum Control and Monitoring Division</p> <p>Place and Date: Gödöllő, 6 December 2017</p>	<p>For the administration of Hungary: National Media and Infocommunications Authority (NMHH)</p> <p></p> <p>Dr. Vári Péter, Deputy Director General</p> <p></p> <p>Dr. Kissné Akli Mária, Head of Frequency Planning and Coordination Unit</p> <p></p> <p>Ferencz Zsolt, Expert on Broadcasting</p> <p>Place and Date: Gödöllő, 6 December 2017</p>

<p>For the administration of Montenegro: Agency for Electronic Communications and Postal Services (EKIP)</p>  <p>Ana Vukčević, Manager, Broadcasting Division, Radiocommunication Department</p> <p>Place and Date: Gödöllő, 6 December 2017</p>	<p>For the administration of Romania: National Authority for Management and Regulation in Communications of Romania (ANCOM)</p>  <p>Bogdan Iana, Vice President</p> <p>Place and Date: Gödöllő, 6 December 2017</p>
<p>For the administration of Serbia: Regulatory Agency for Electronic Communications and Postal Services (RATEL)</p>  <p>Zoran Branković, Radiocommunications Division Head</p>  <p>Natalija Varagić, Group Coordinator</p>  <p>Bojana Andelić, Senior Advisor, Radiocommunications Division</p> <p>Place and Date: Gödöllő, 6 December 2017</p>	<p>For the administration of Slovenia: Agency for communication networks and services of the Republic of Slovenia (AKOS)</p>  <p>Igor Funa, Broadcasting Expert</p> <p>Place and Date: Gödöllő, 6 December 2017</p>
<p>For the administration of Turkey: Information and Communication Technologies Authority (ICTA)</p>  <p>Afsin Buyukbas, Head of Spectrum Management Department</p> <p>Place and Date: Gödöllő, 6 December 2017</p>	<p>For the administration of Ukraine: Ukrainian State Centre of Radio Frequencies (UCRF)</p>  <p>Protsenko Dmytro, Deputy Director of Radio Service Directorate</p> <p>Place and Date: Gödöllő, 6 December 2017</p>

Attachment:

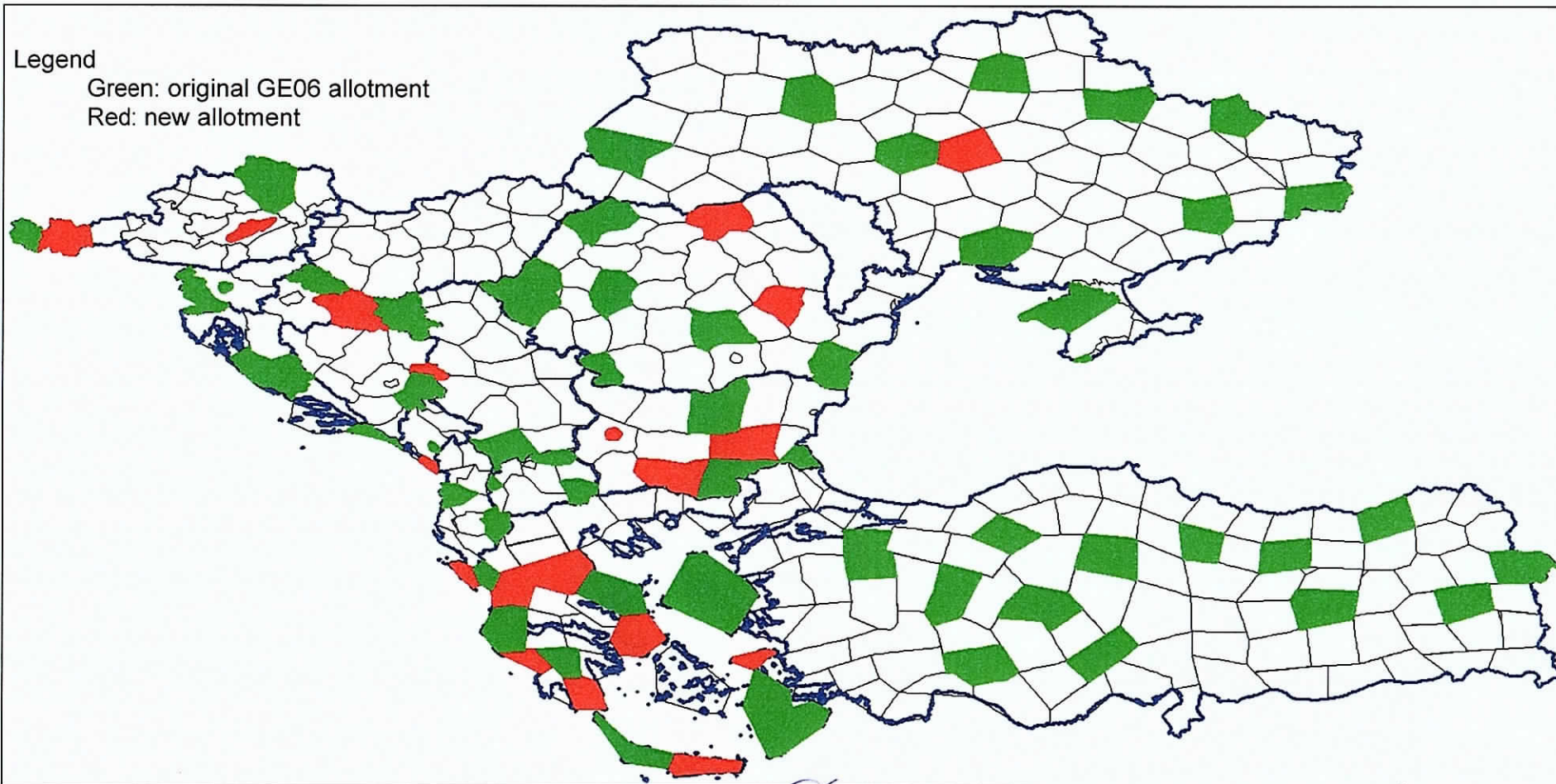
- Annex: Channel distribution allotment maps in the SEDDIF coordination area

Channel 21

Legend

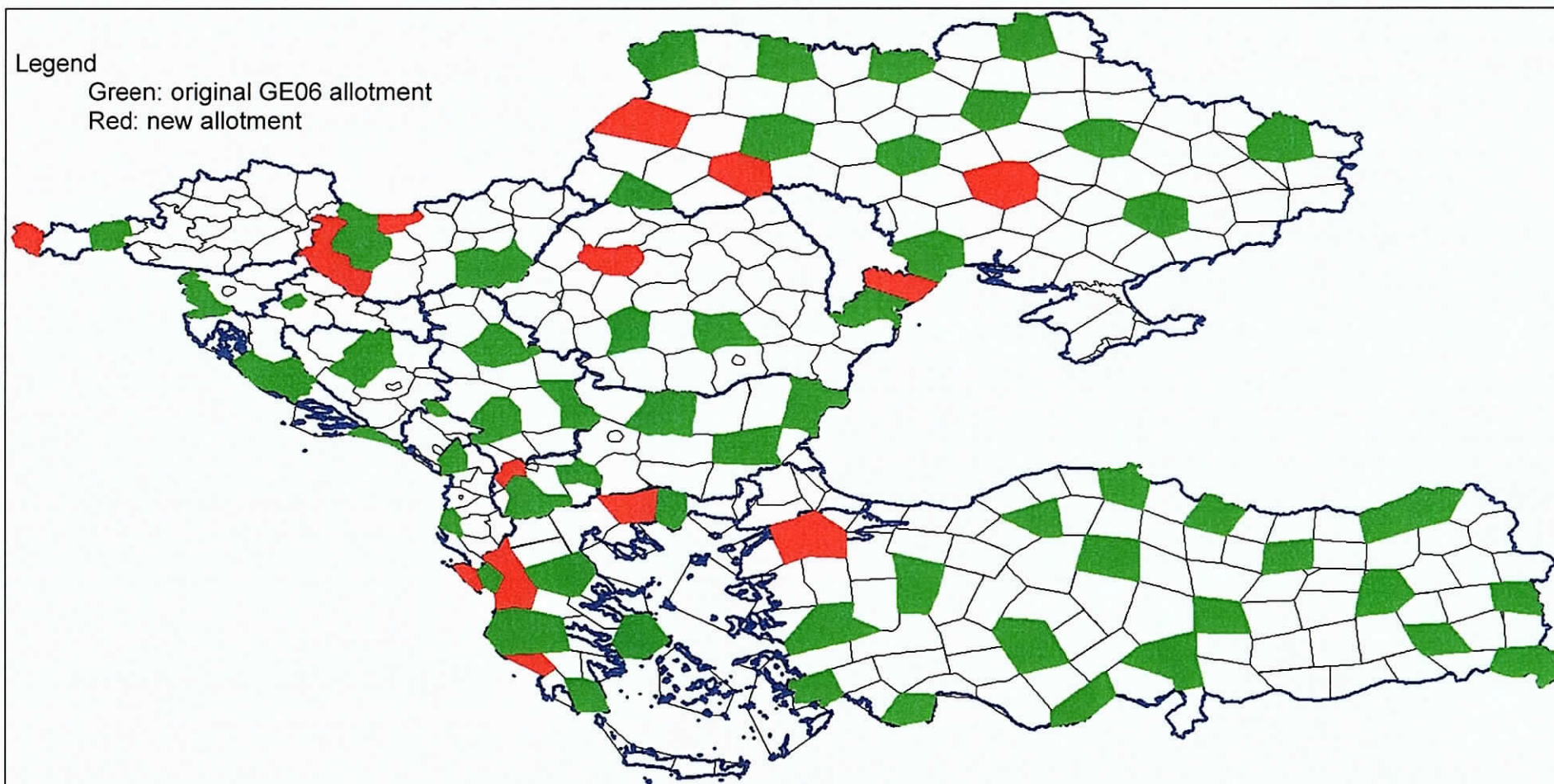
Green: original GE06 allotment

Red: new allotment



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HNG: <i>Peric</i>	HRV: <i>Peric</i>	MKD: <i>Peric</i>	MNE: <i>A.V.</i>	ROU: <i>Peric</i>
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Channel 22



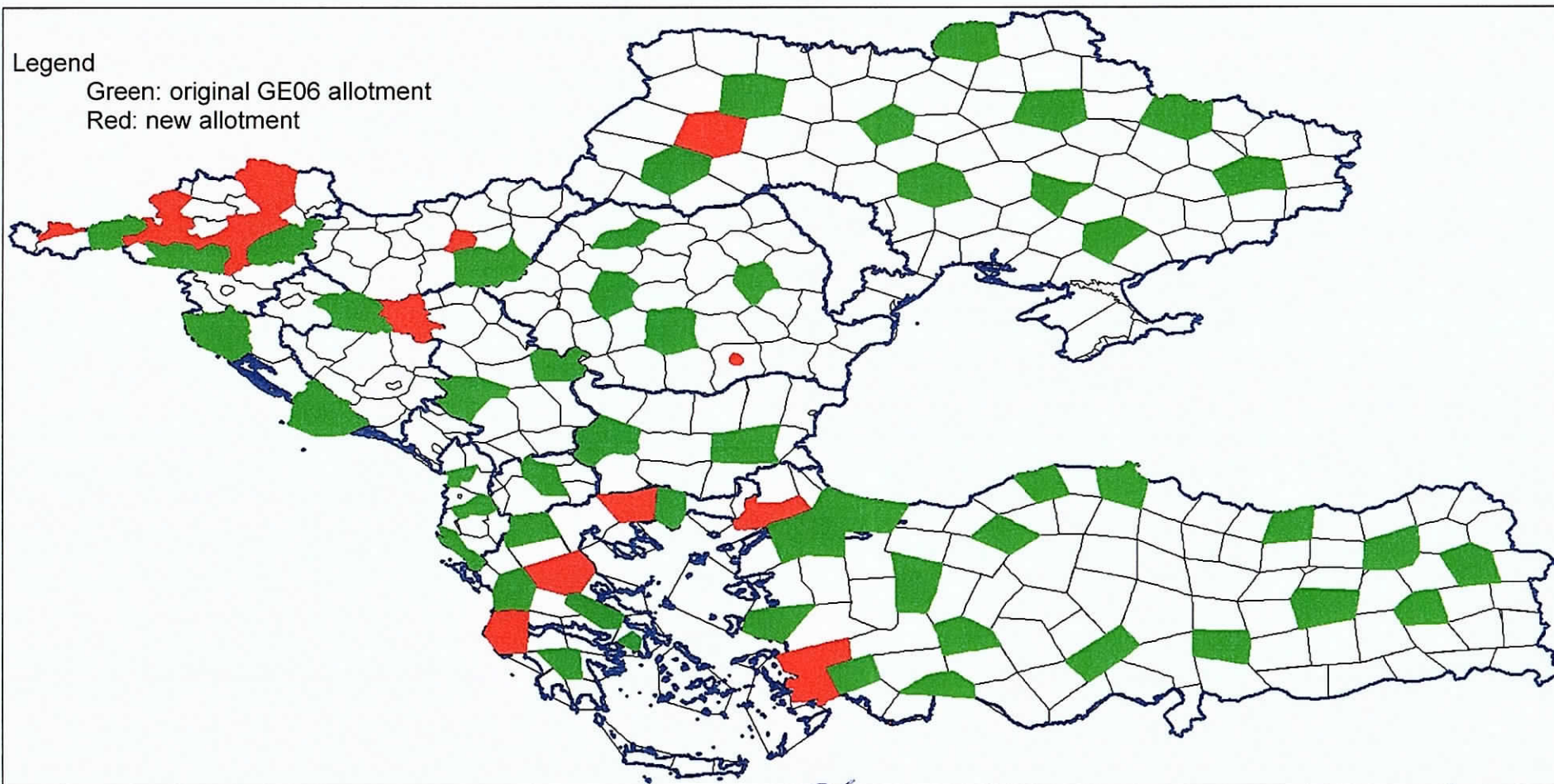
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Channel 23

Legend

Green: original GE06 allotment

Red: new allotment



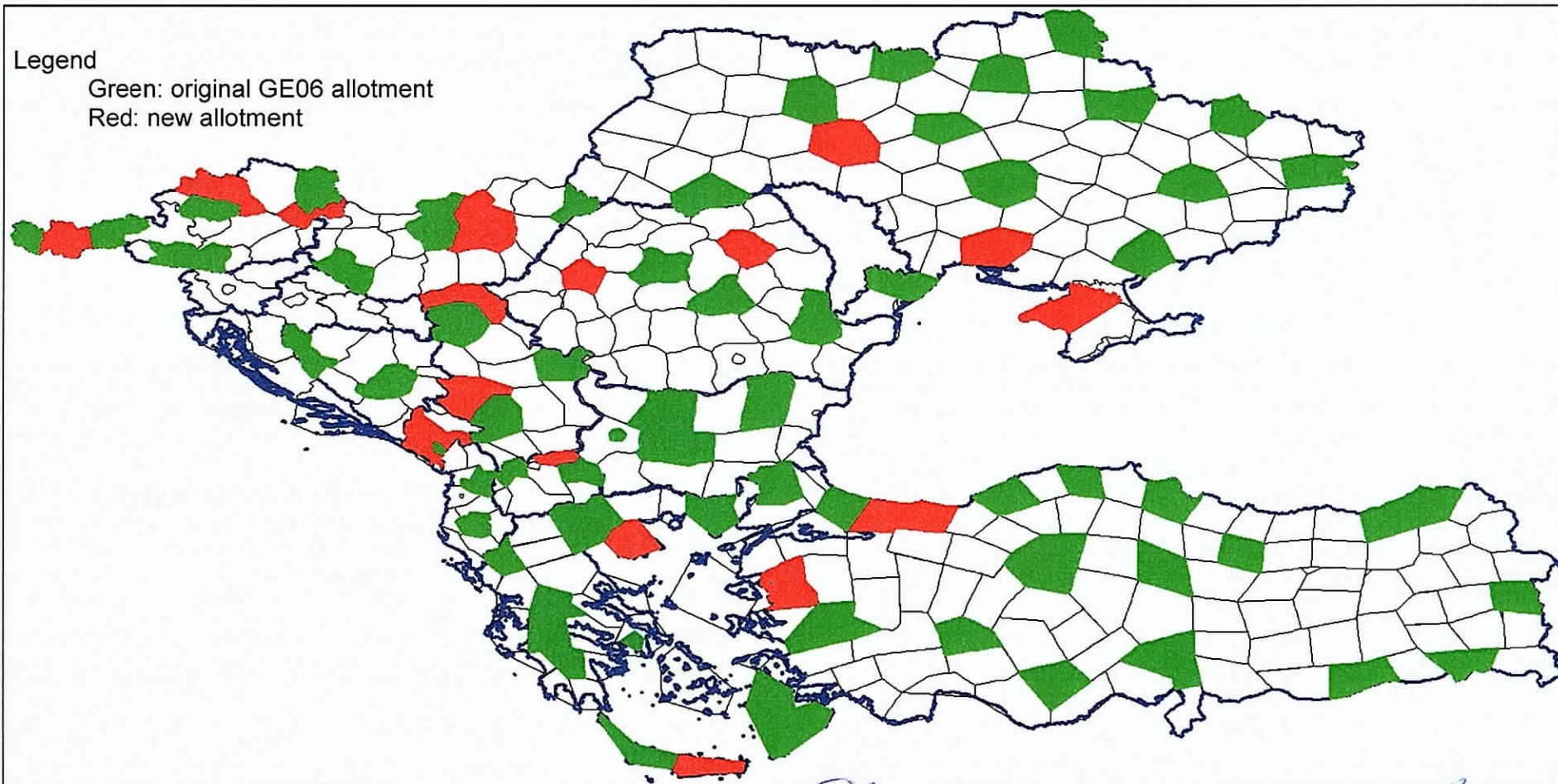
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SRB: <i>7Baparut</i>	SVN: <i>RR</i>	TUR: <i>AB</i>	UKR: <i>RR</i>	

Channel 24

Legend

Green: original GE06 allotment

Red: new allotment



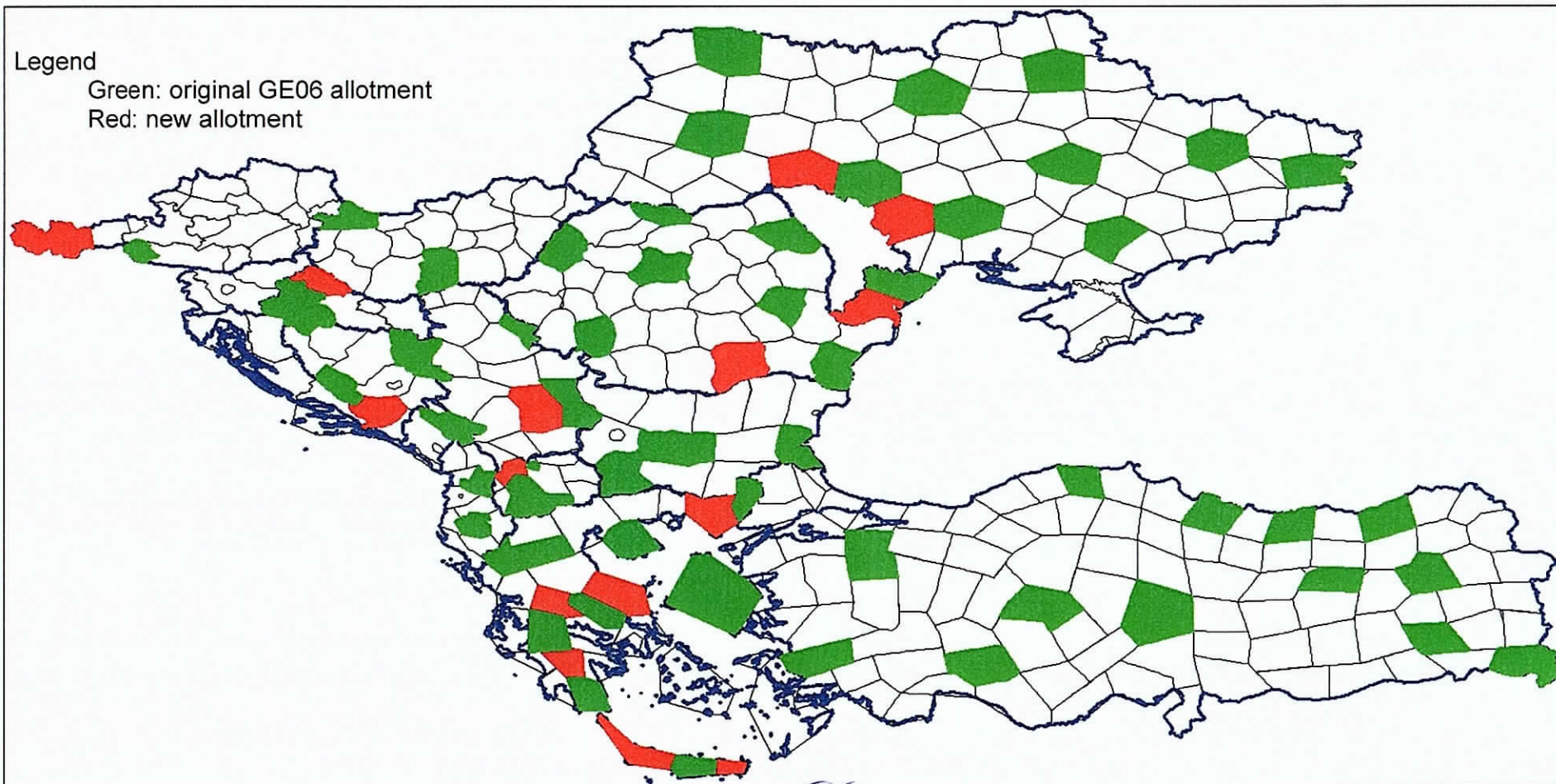
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SRB: <i>4 Bapazet</i>	SVN: <i>EM</i>	TUR: <i>AB</i>	UKR: <i>[Signature]</i>	

Channel 25

Legend

Green: original GE06 allotment

Red: new allotment



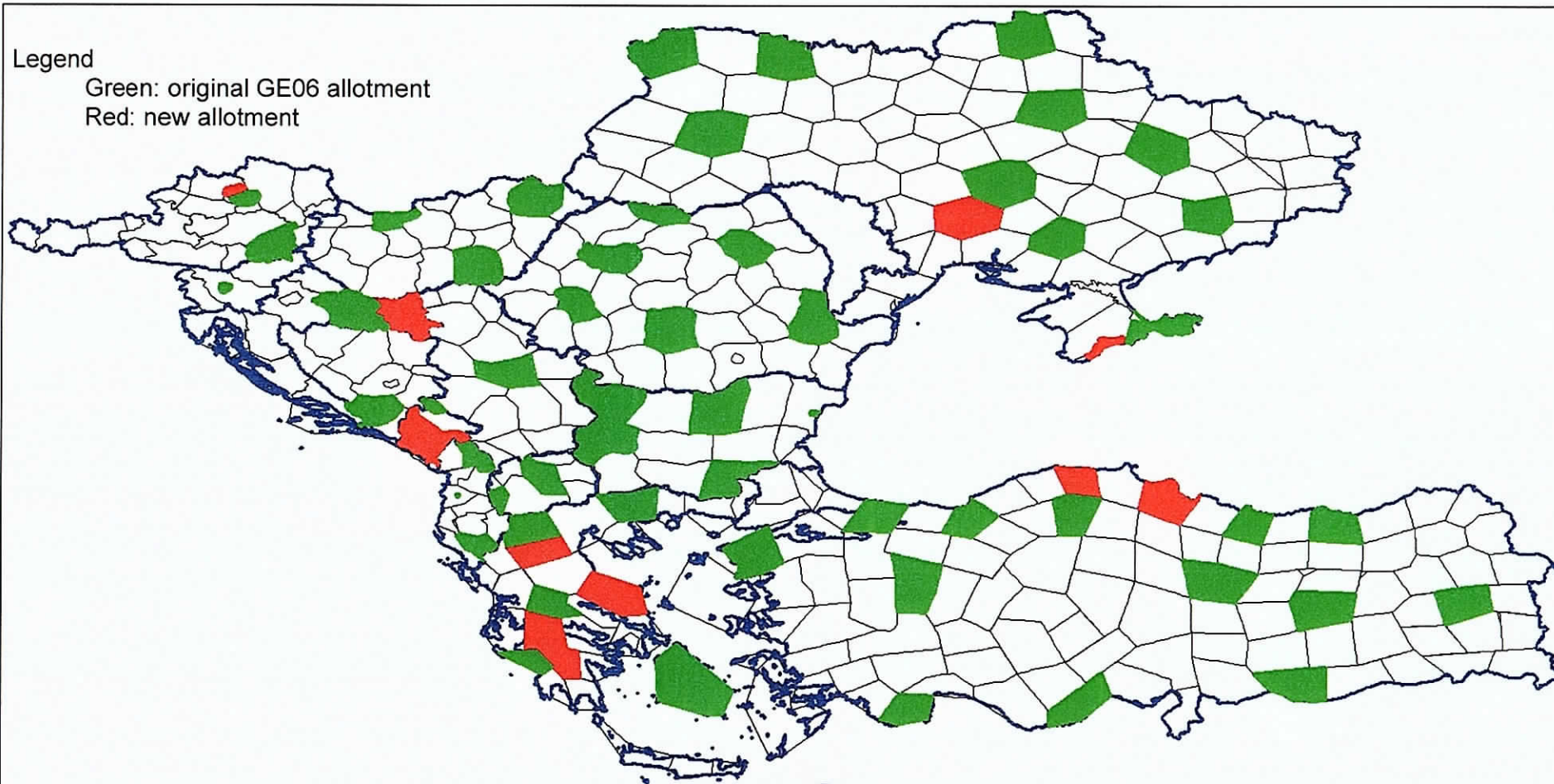
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SRB: <i>SRB</i>	SVN: <i>SVN</i>	TUR: <i>TUR</i>	UKR: <i>UKR</i>	

Channel 26

Legend

Green: original GE06 allotment

Red: new allotment



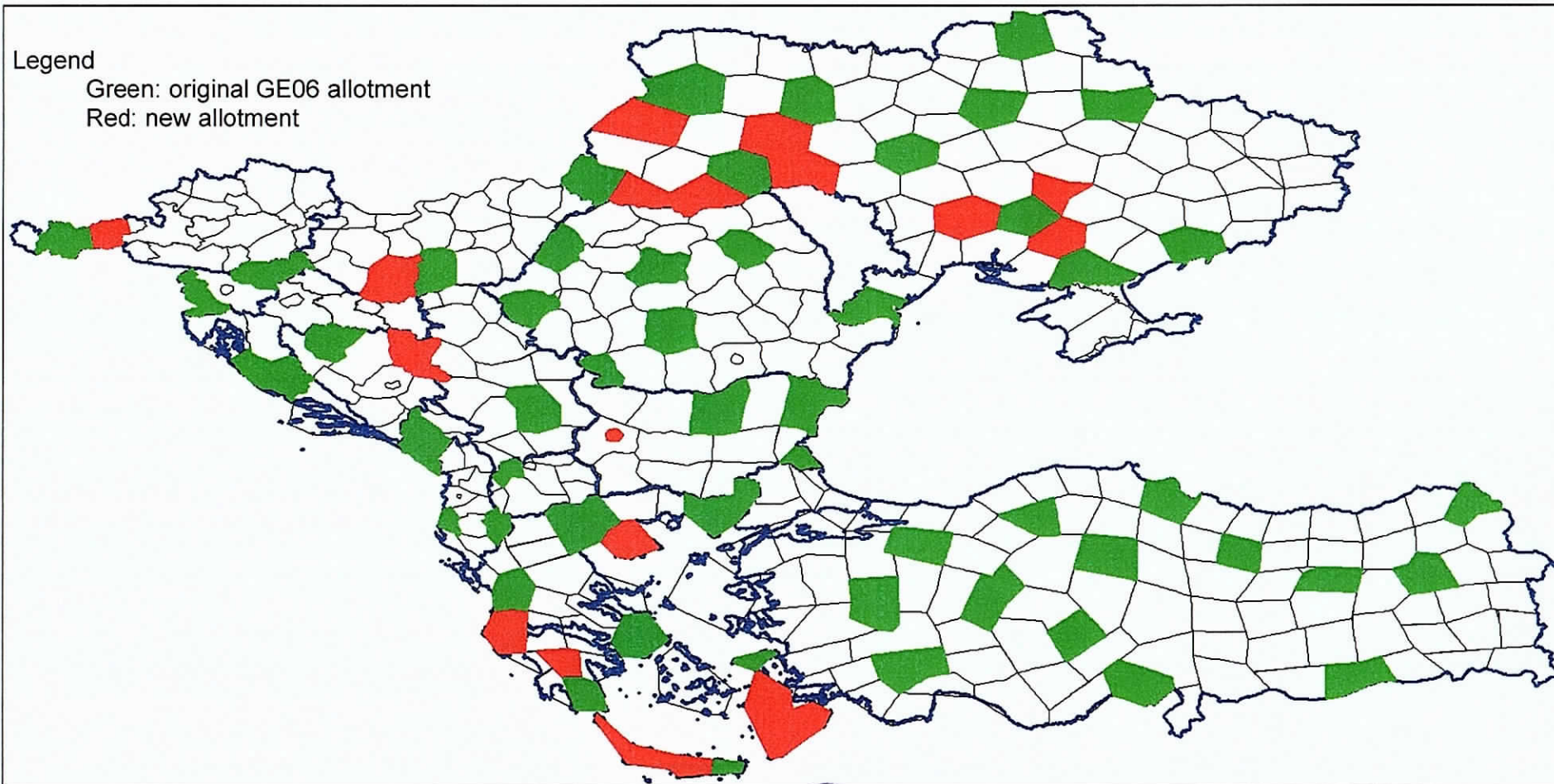
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Channel 27

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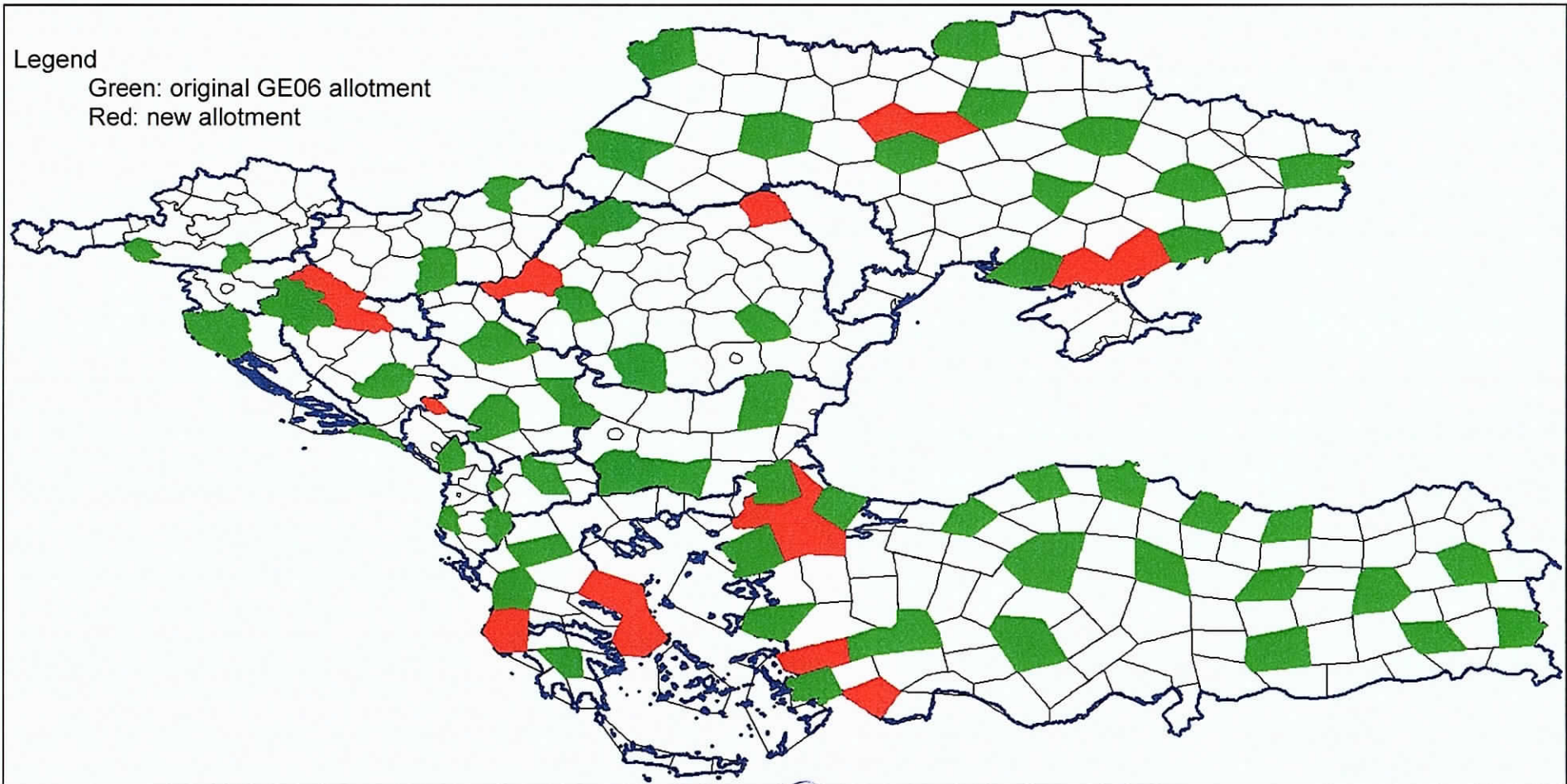
Green: original GE06 allotment

Red: new allotment



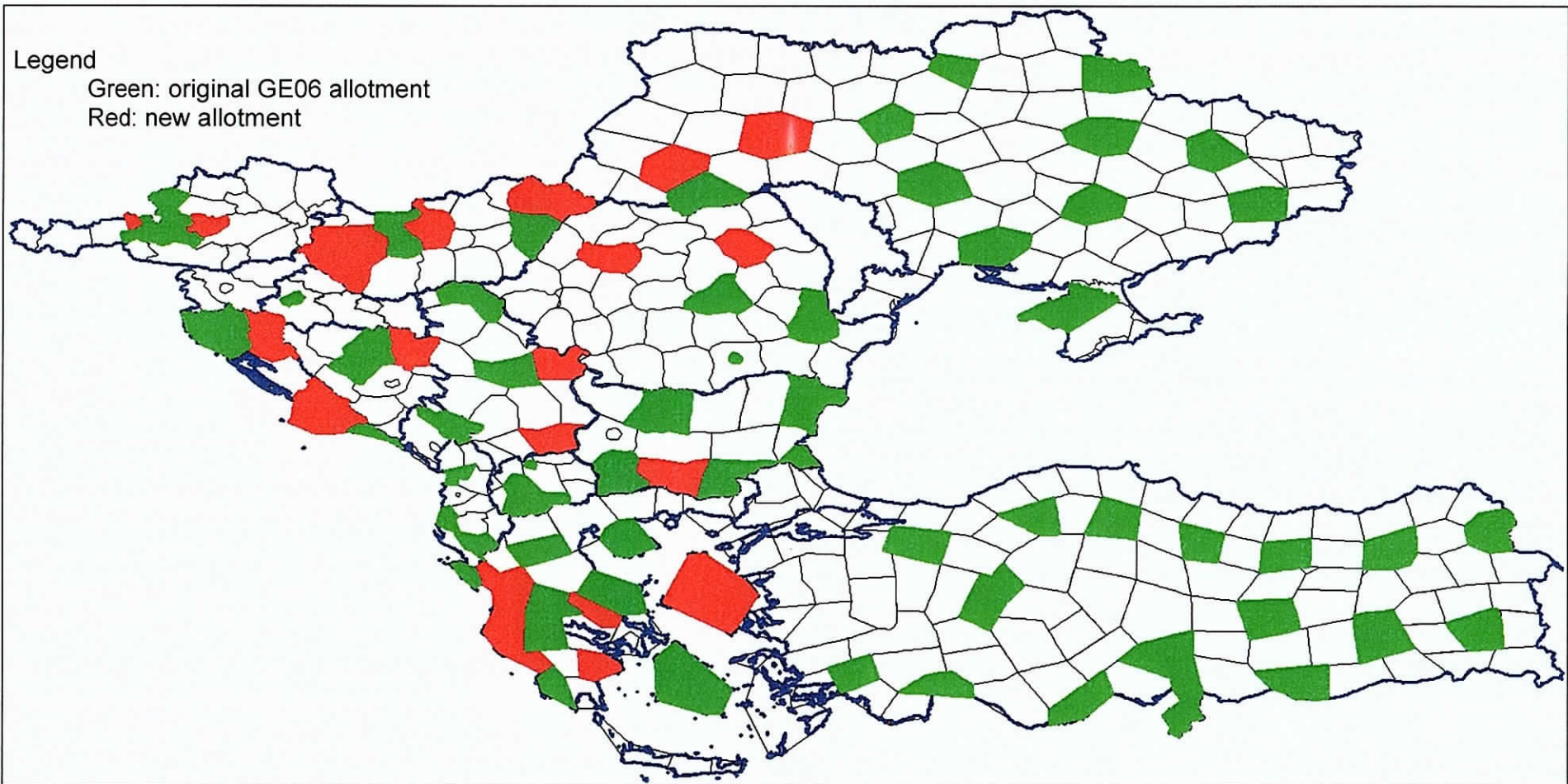
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Channel 28



ALB:	AUT: <i>Can one</i>	BIH: <i>Chitko</i>	BUL: <i>AB</i>	GRC: <i>us</i>
HNG: <i>Alot Wolf</i>	HRV: <i>n he</i>	MKD: <i>Wayv.</i>	MNE: <i>d. v.</i>	ROU: <i>Andri</i>
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Channel 29



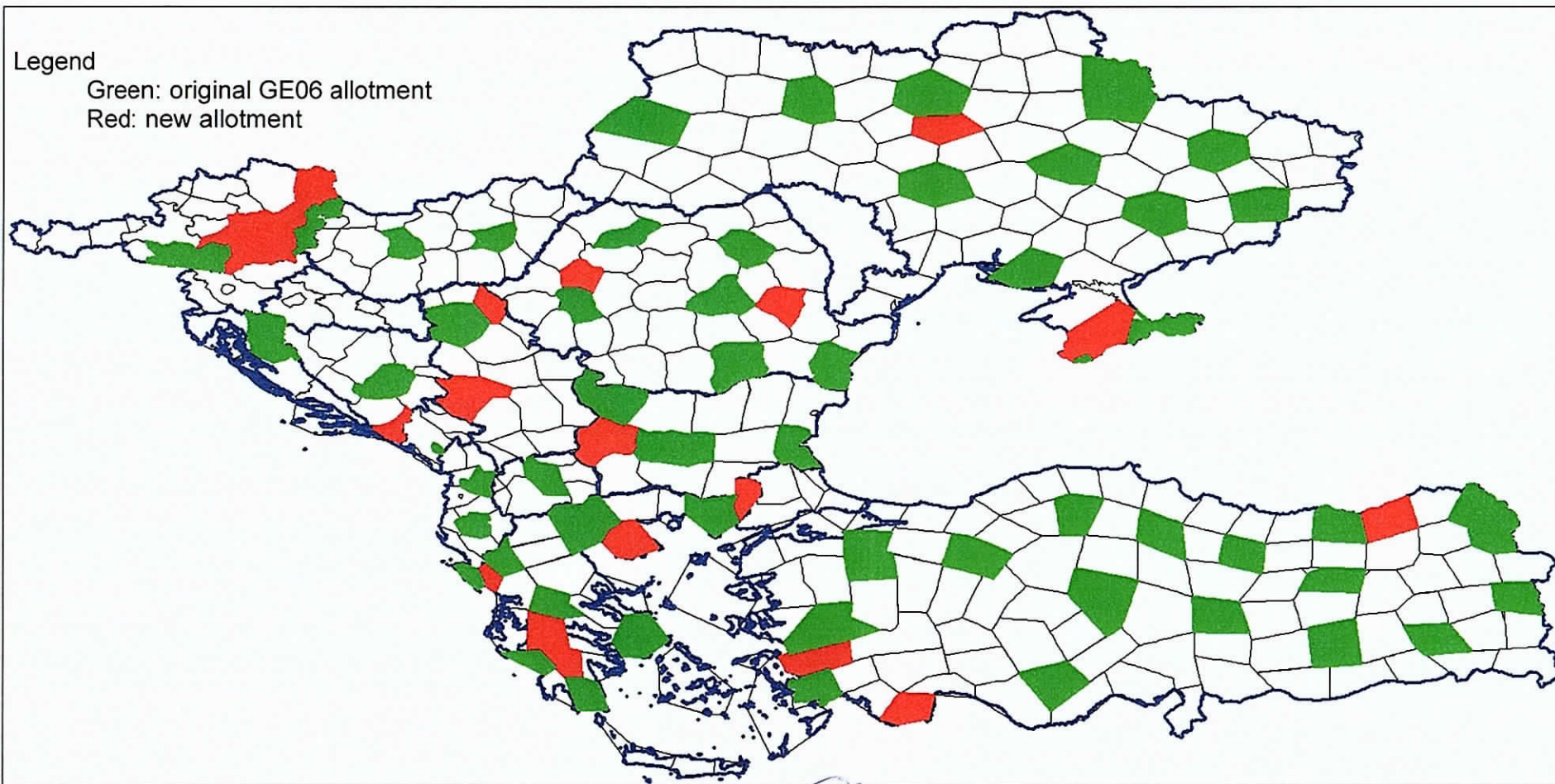
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SRB: <i>Abapacut</i>	SVN: <i>Ally</i>	TUR: <i>AB</i>	UKR: <i>AB</i>	

Channel 30

Legend

Green: original GE06 allotment

Red: new allotment

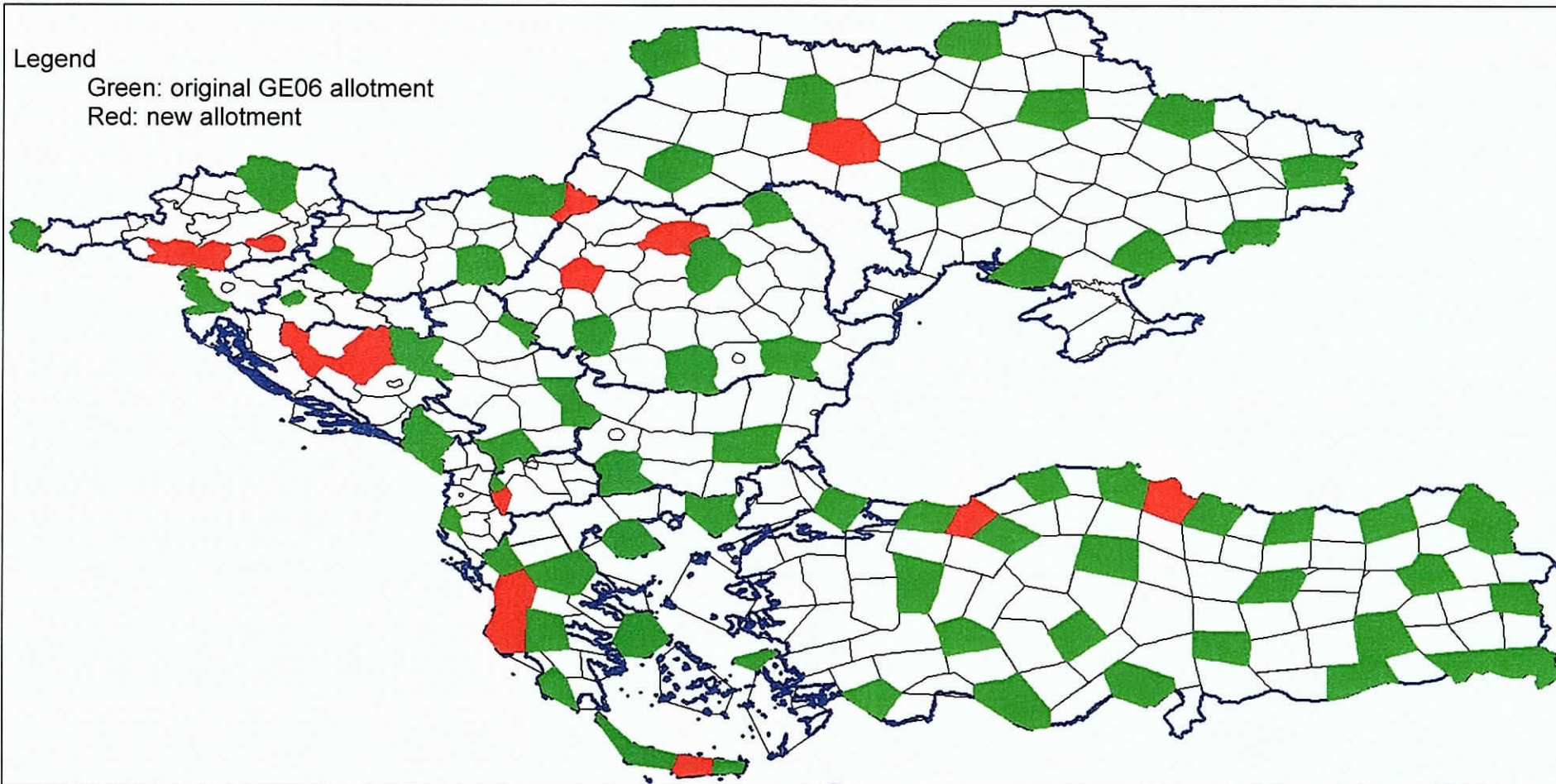


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Channel 31

Legend

Green: original GE06 allotment
Red: new allotment



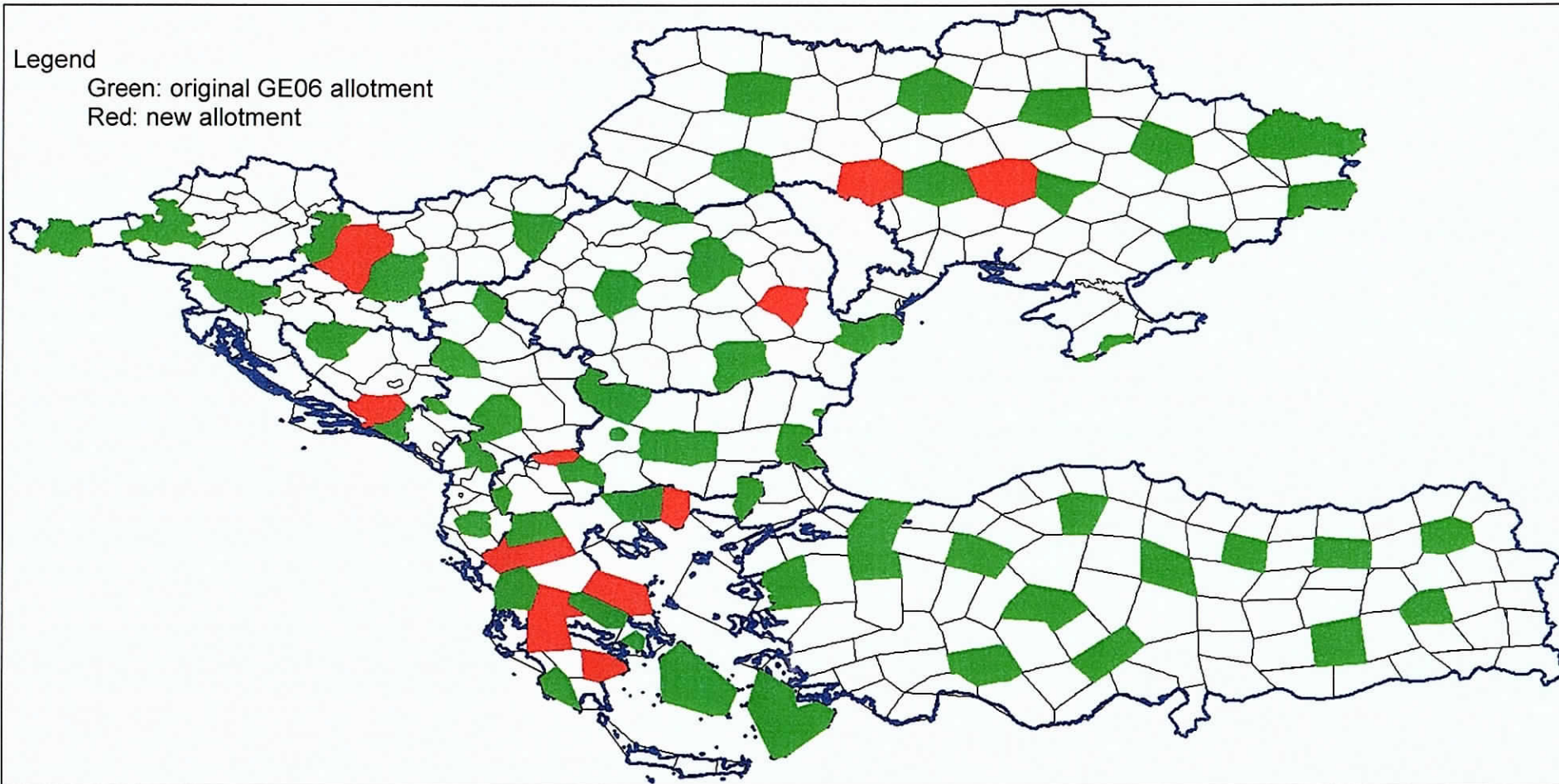
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SRB: <i>Bapaurik</i>	SVN: <i>Stu</i>	TUR: <i>AB</i>	UKR: <i>[Signature]</i>	

Channel 32

Legend

Green: original GE06 allotment

Red: new allotment



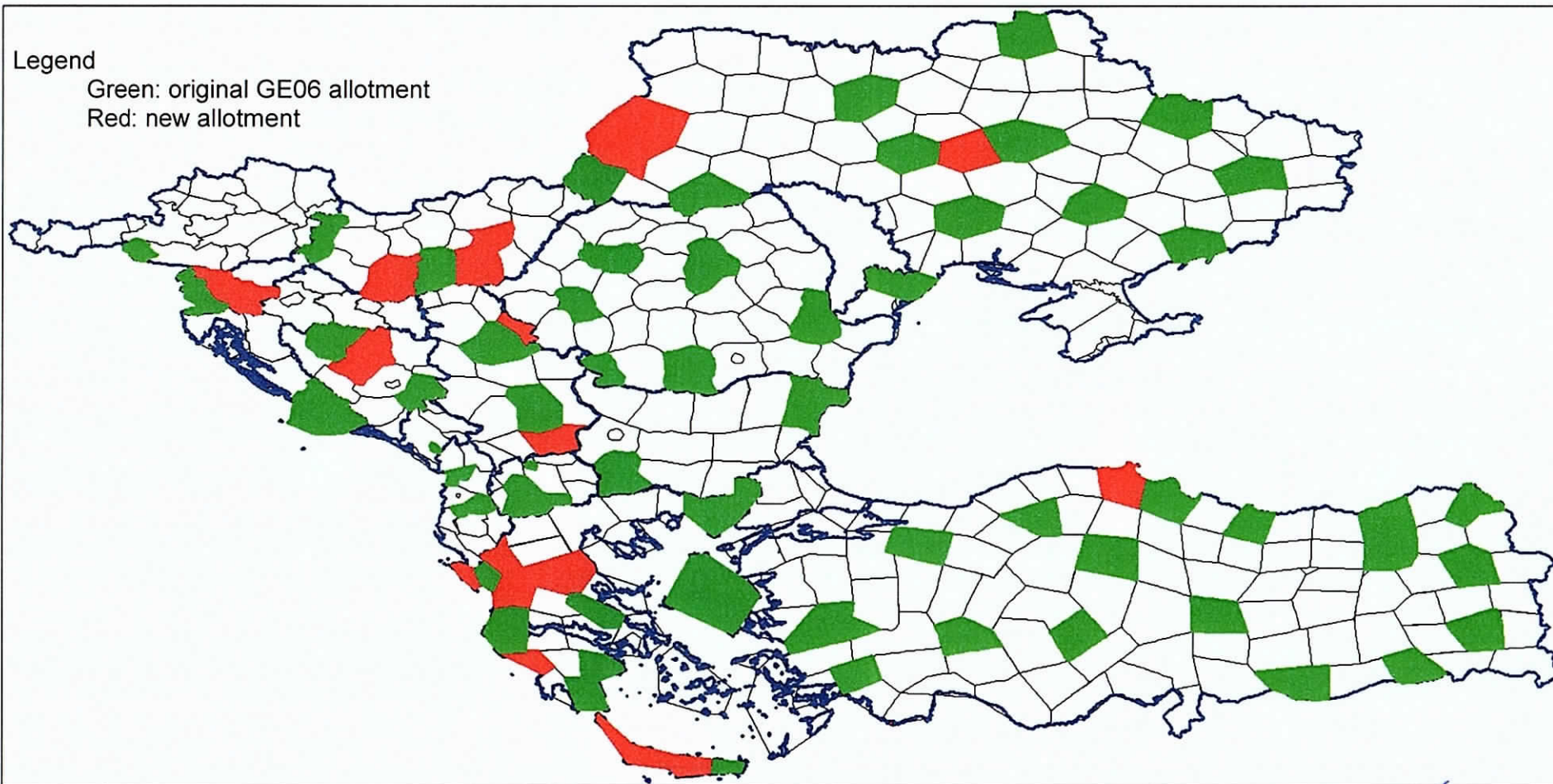
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SRB: <i>ABapart K</i>	SVN: <i>AB</i>	TUR: <i>AB</i>	UKR: <i>AB</i>	

Channel 33

Legend

Green: original GE06 allotment

Red: new allotment



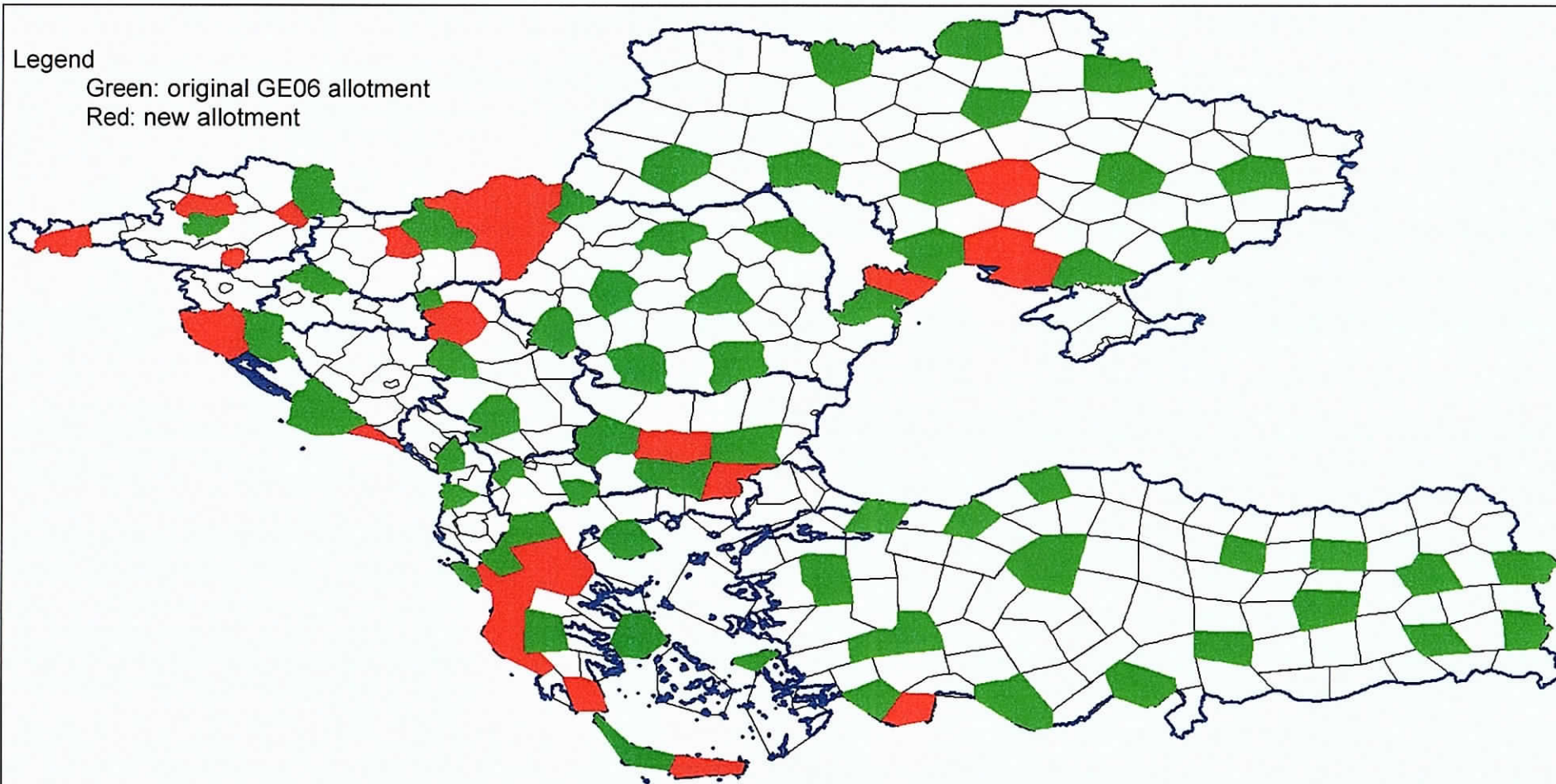
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Channel 34

Legend

Green: original GE06 allotment

Red: new allotment

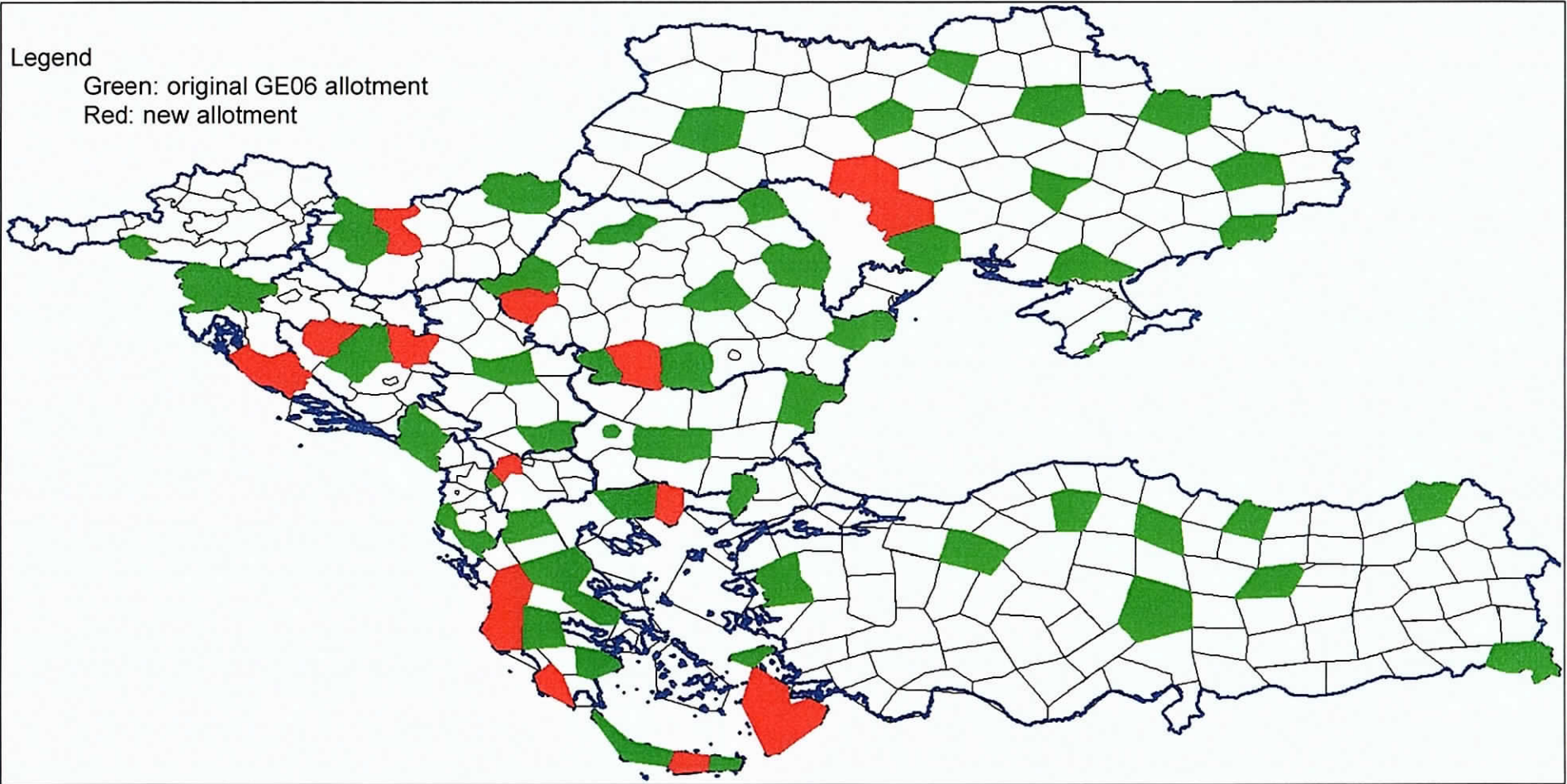


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SRB: <i>Abapark</i>	SVN: <i>SM</i>	TUR: <i>AB</i>	UKR: <i>[Signature]</i>	

Channel 35

Legend

Green: original GE06 allotment
Red: new allotment

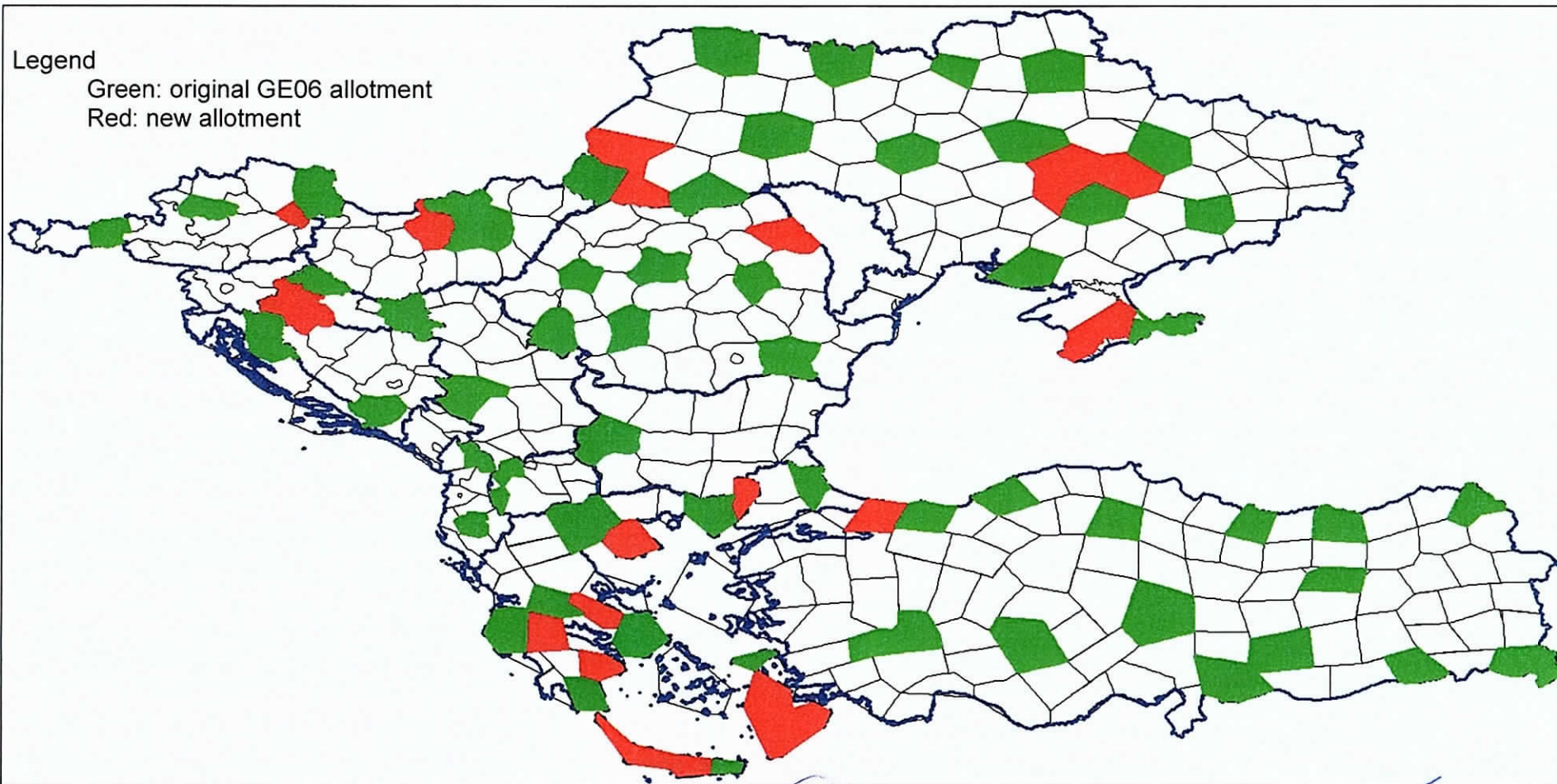


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Channel 36

Legend

Green: original GE06 allotment
Red: new allotment



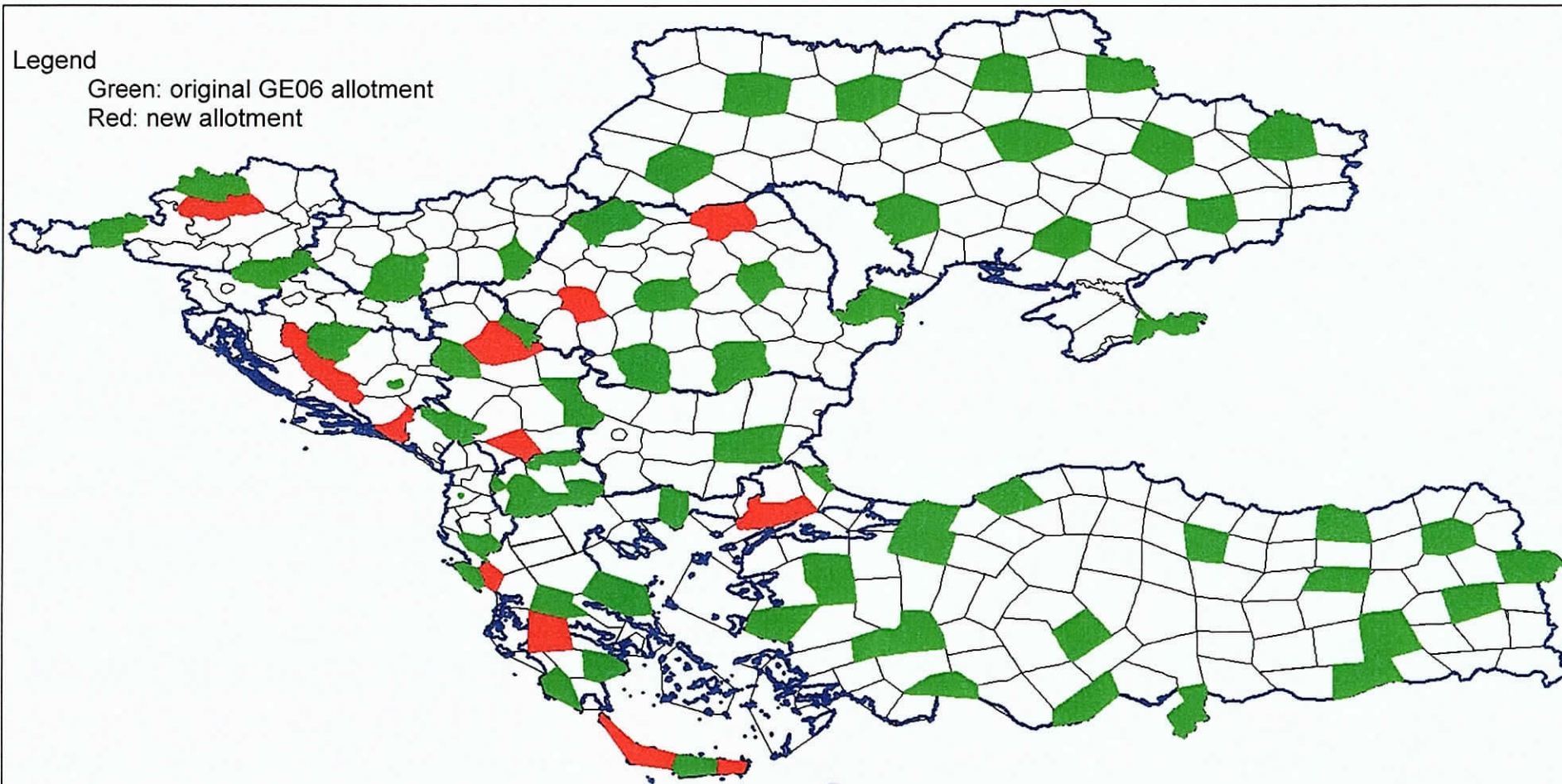
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SRB: <i>[Signature]</i>	SVN: <i>[Signature]</i>	TUR: <i>AB</i>	UKR: <i>[Signature]</i>	

Channel 37

Legend

Green: original GE06 allotment

Red: new allotment



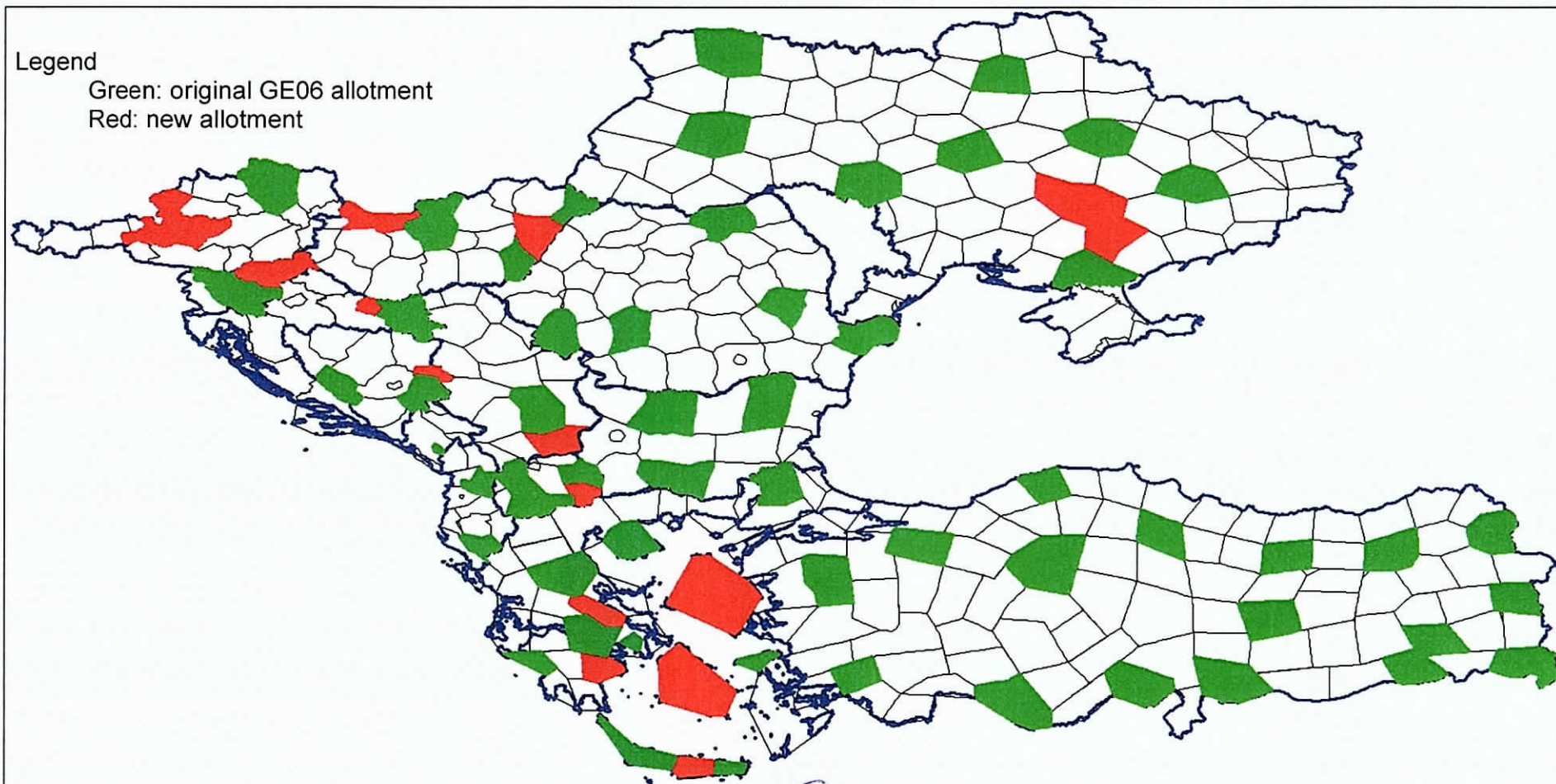
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Channel 38

Legend

Green: original GE06 allotment

Red: new allotment



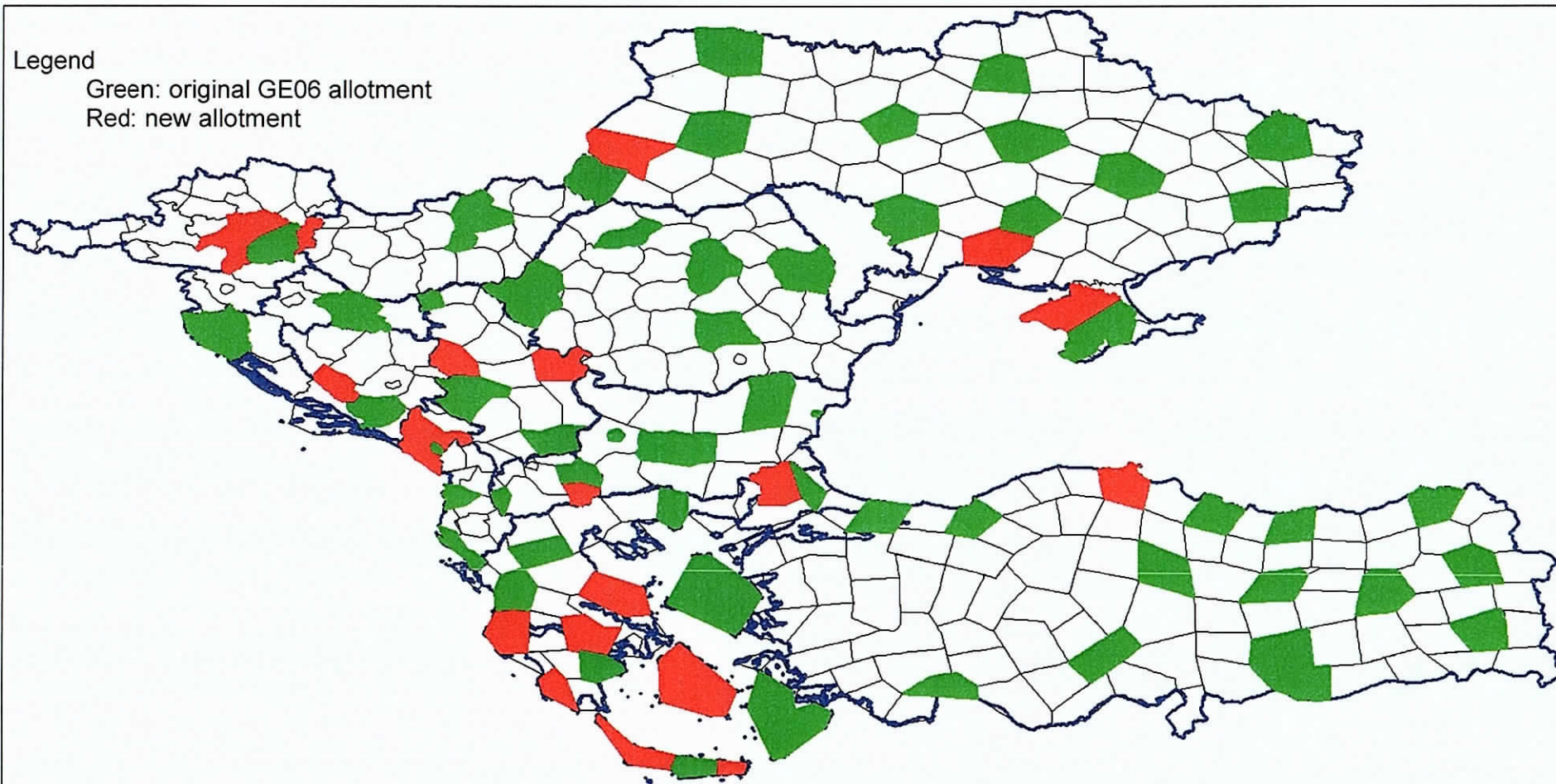
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Channel 39

Legend

Green: original GE06 allotment

Red: new allotment



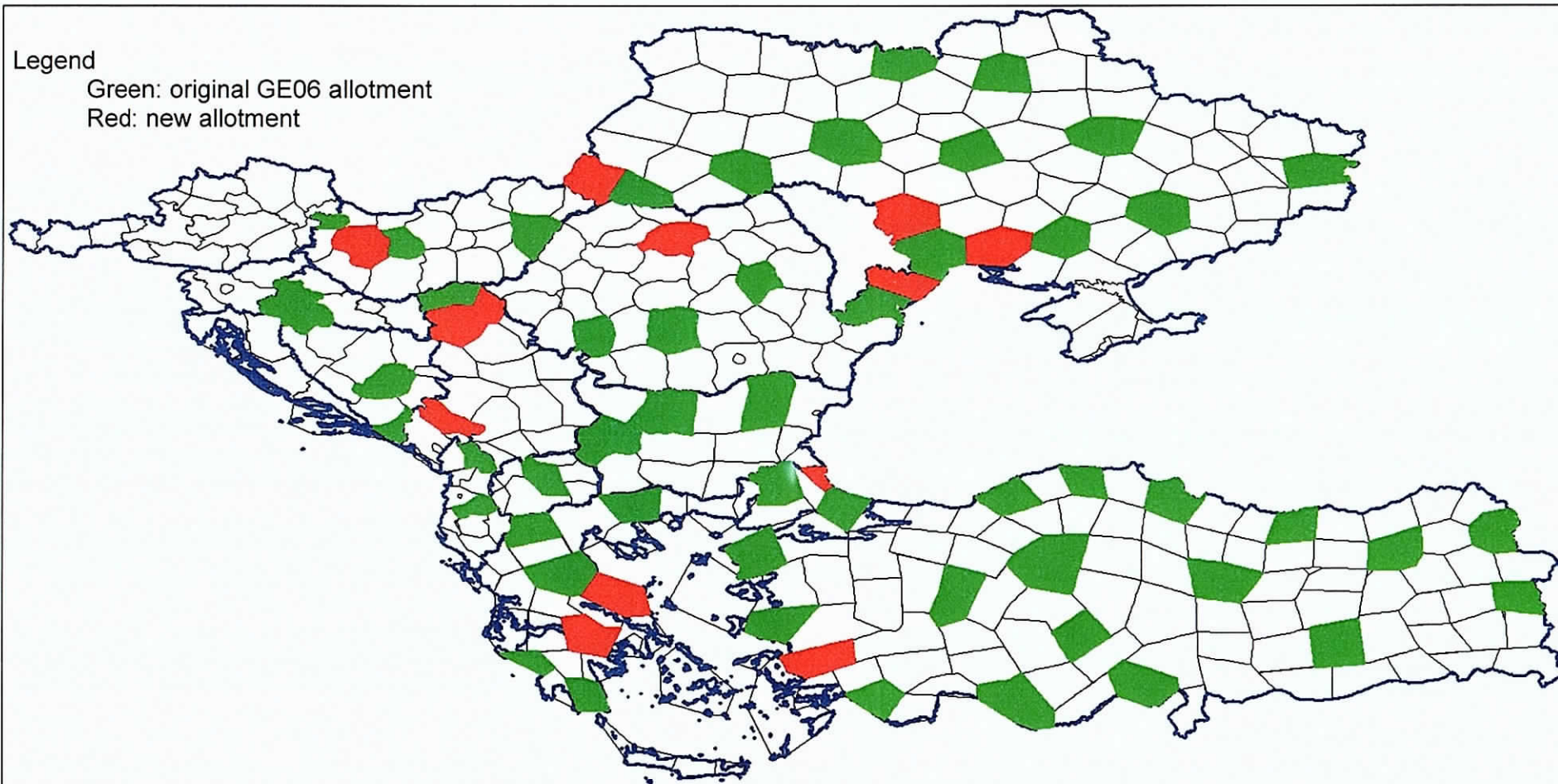
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SRB: <i>1Bapaout</i>	SVN: <i>May</i>	TUR: <i>AB</i>	UKR: <i>AB</i>	

Channel 40

Legend

Green: original GE06 allotment

Red: new allotment



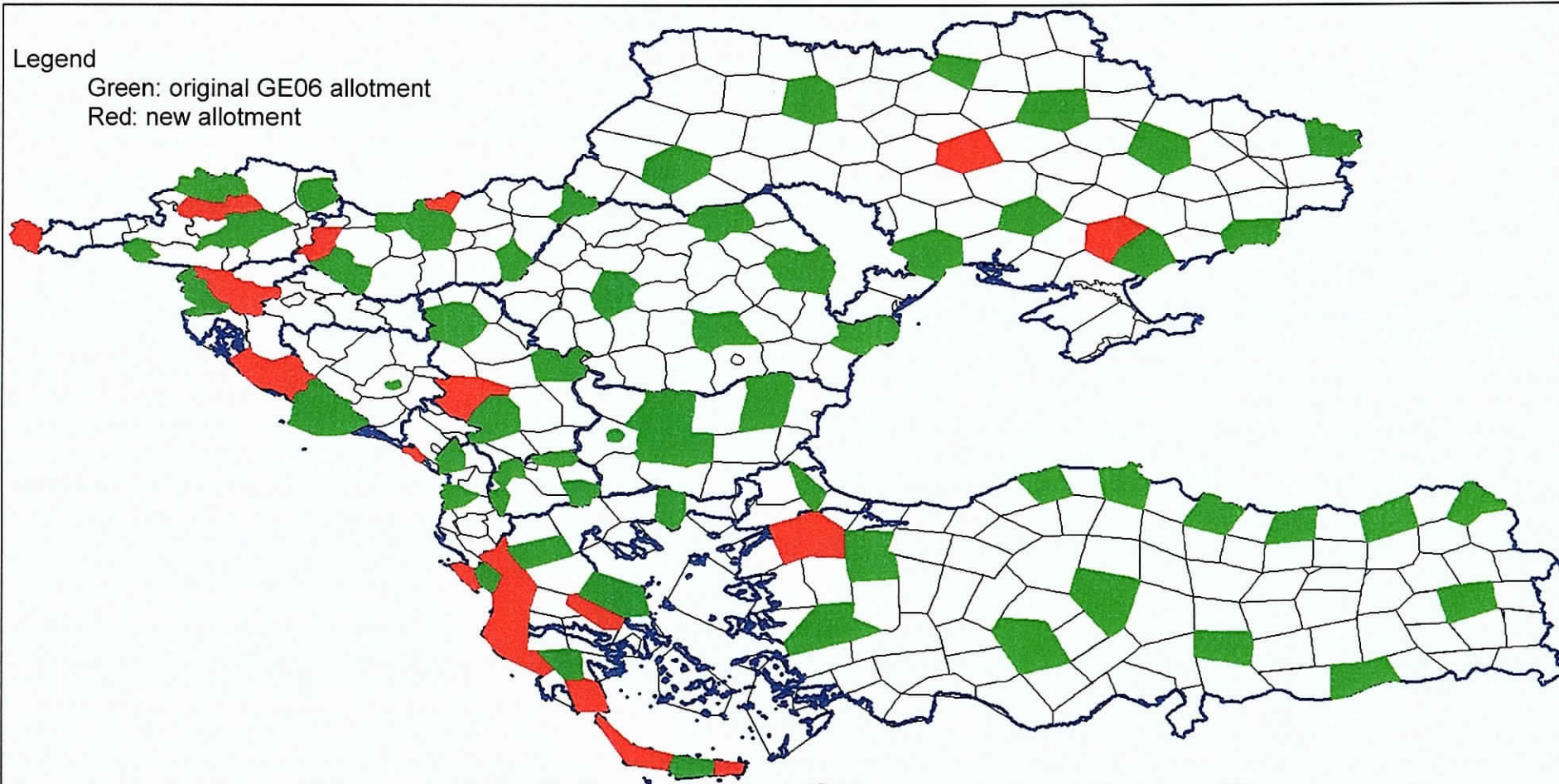
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Channel 41

Legend

Green: original GE06 allotment

Red: new allotment

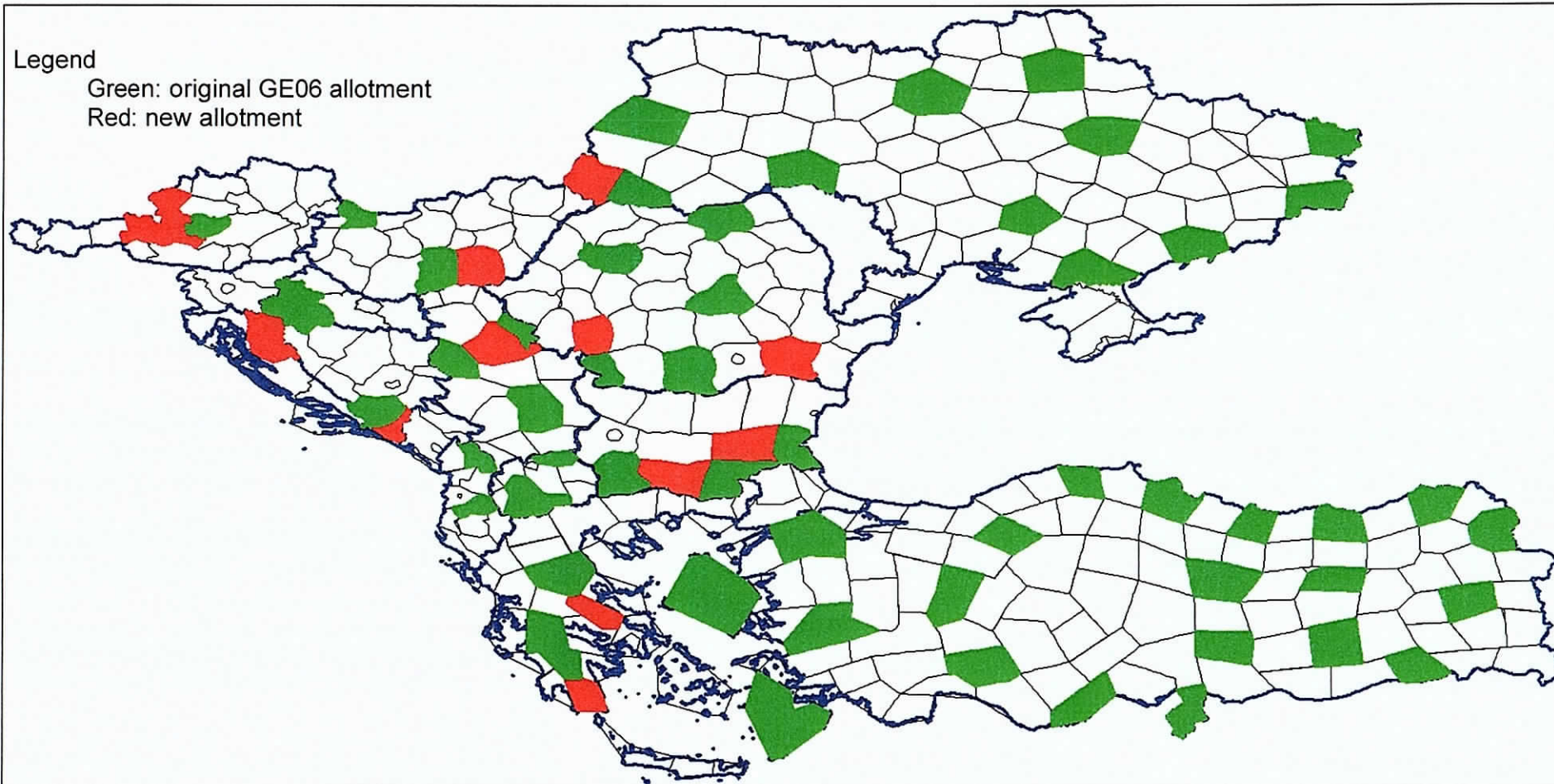


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Channel 42

Legend

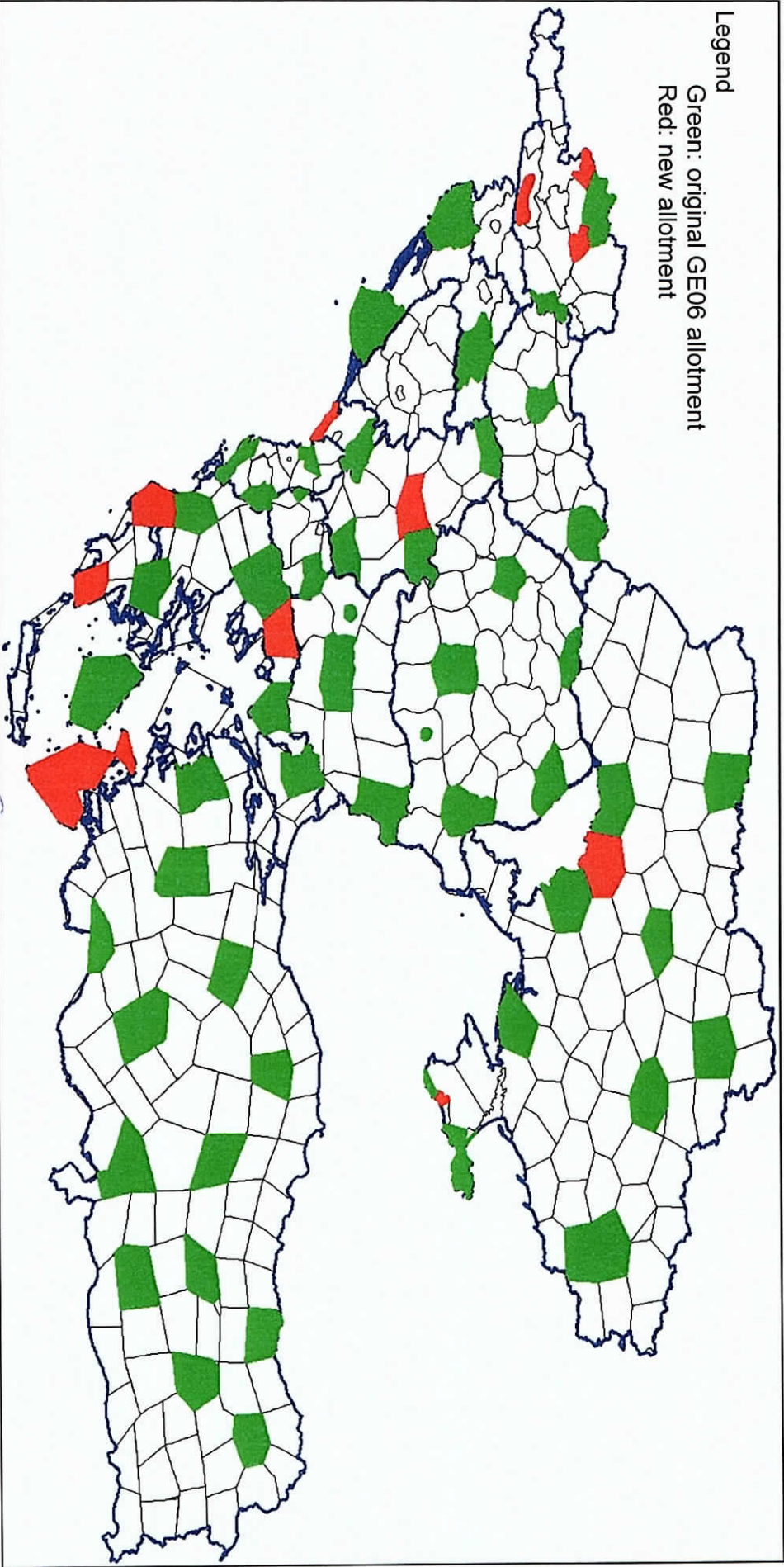
Green: original GE06 allotment
Red: new allotment



ALB:	AUT: <i>Perce</i>	BIH: <i>Perce</i>	BUL: <i>RS</i>	GRC: <i>Perce</i>
HNG: <i>Perce</i>	HRV: <i>Perce</i>	MKD: <i>Perce</i>	MNE: <i>d.v.</i>	ROU: <i>Perce</i>
SRB: <i>Abapauk</i>	SVN: <i>Perce</i>	TUR: <i>AB</i>	UKR: <i>Perce</i>	

Channel 43

Legend
 Green: original GE06 allotment
 Red: new allotment



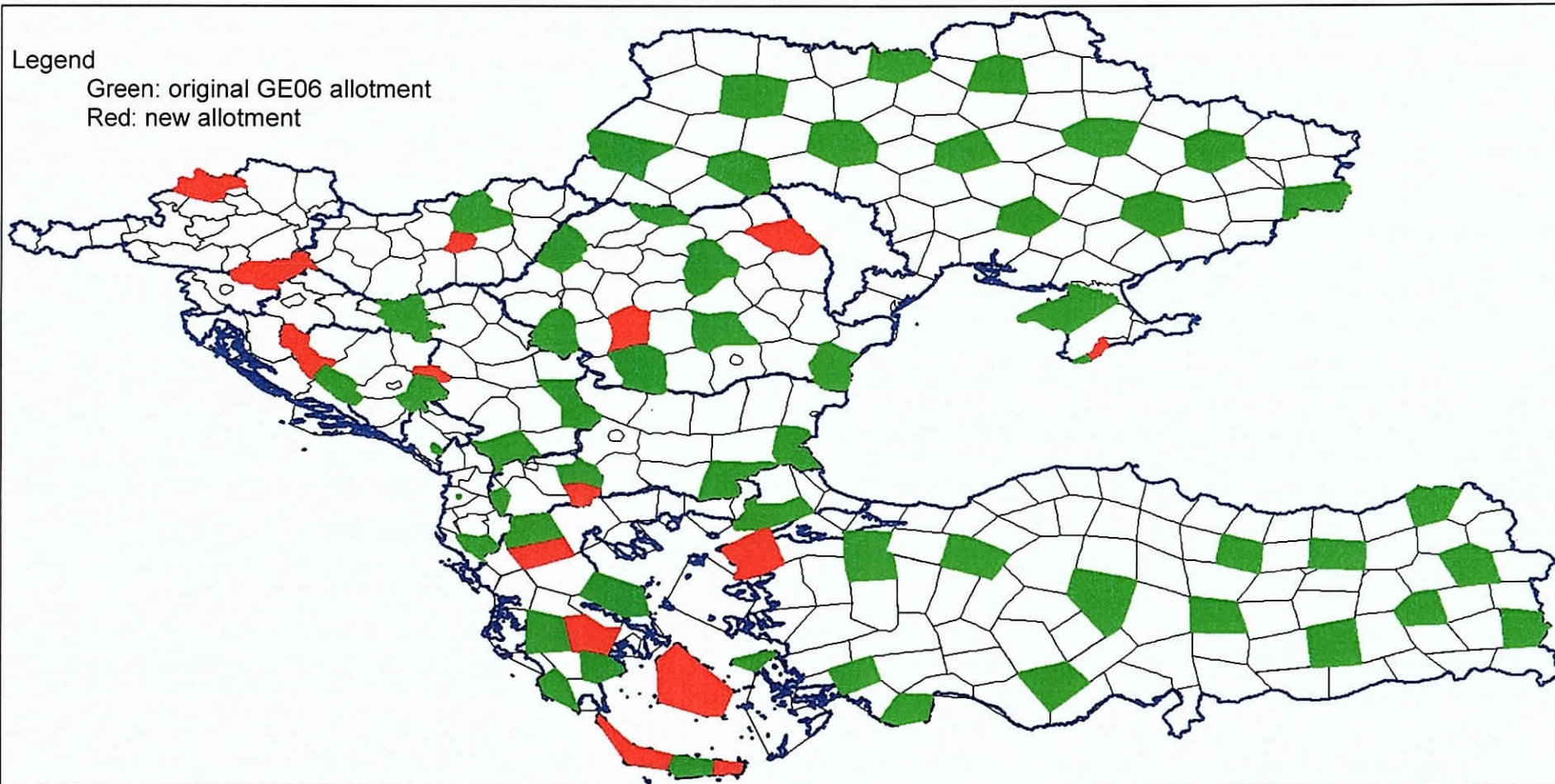
ALB:	AUT:	BIH:	BUL:	GRC:
HNG:	HRV:	MKD:	MNE:	ROU:
SRB:	SVN:	TUR:	UKR:	

Channel 44

Legend

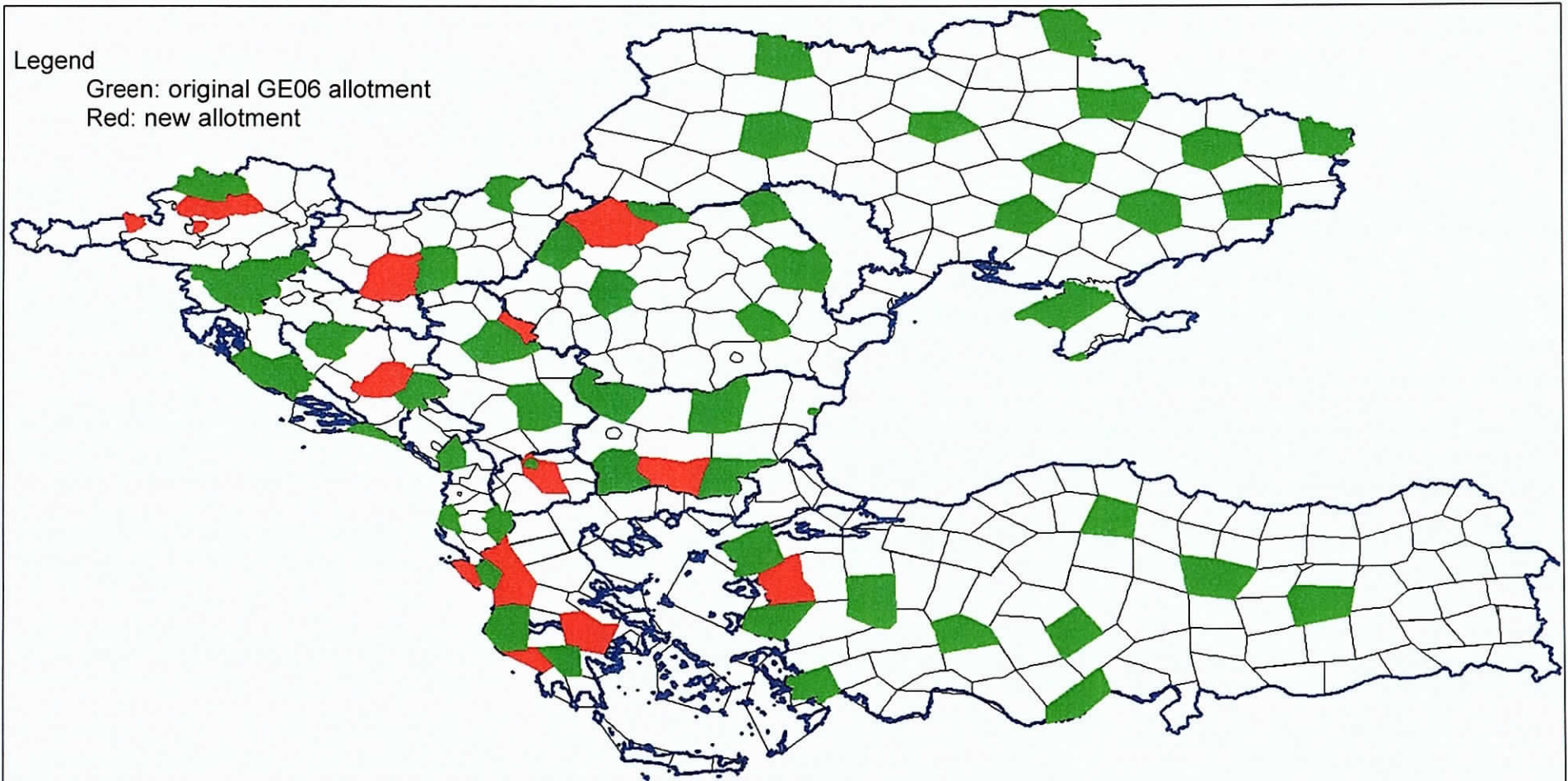
Green: original GE06 allotment

Red: new allotment



ALB:	AUT: <i>[Signature]</i>	BIH: <i>[Signature]</i>	BUL: <i>AB</i>	GRC: <i>[Signature]</i>
HNG: <i>[Signature]</i>	HRV: <i>[Signature]</i>	MKD: <i>[Signature]</i>	MNE: <i>A. V.</i>	ROU: <i>[Signature]</i>
SRB: <i>ABapaurik</i>	SVN: <i>[Signature]</i>	TUR: <i>AB</i>	UKR: <i>[Signature]</i>	

Channel 45

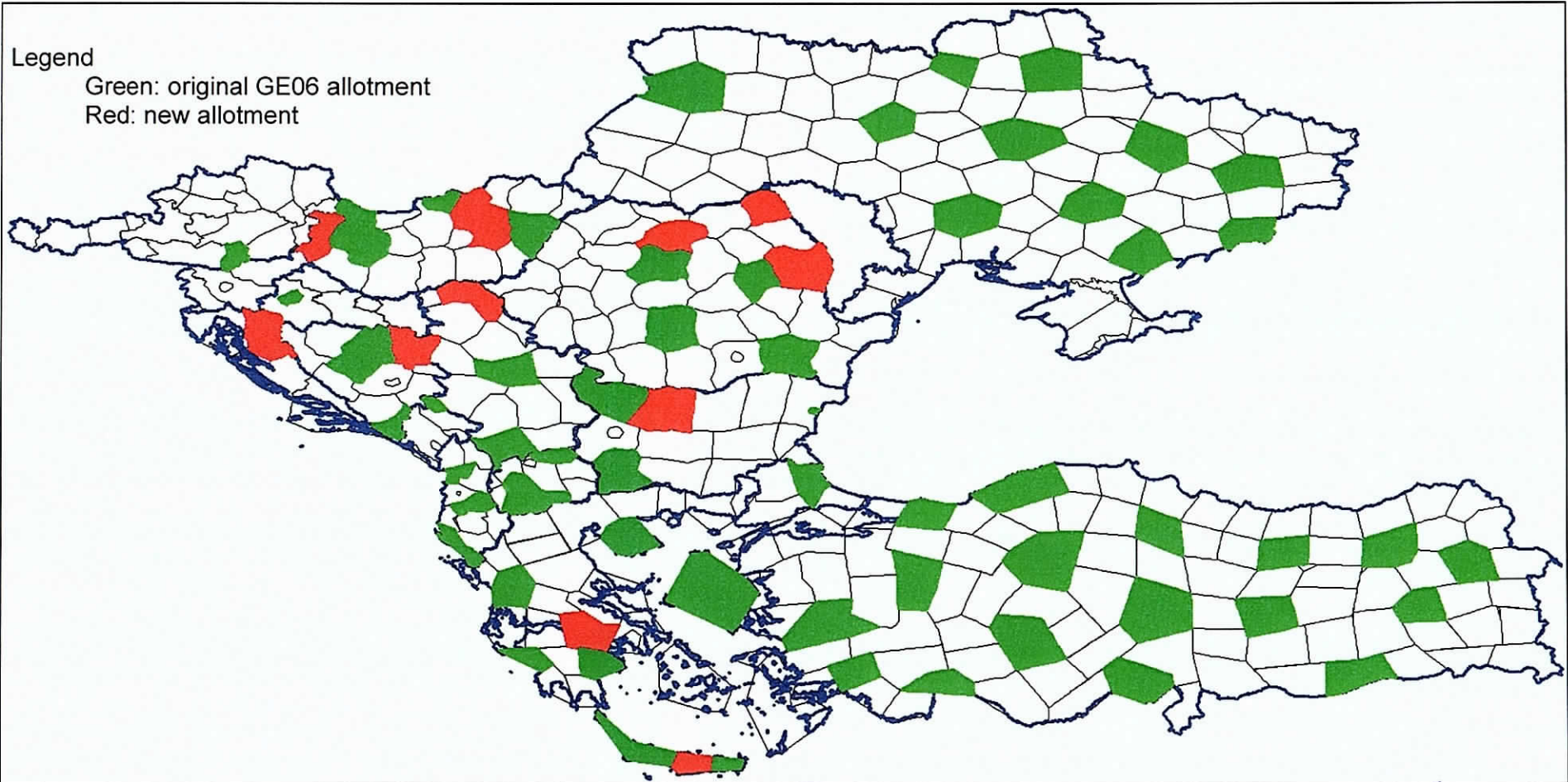


ALB:	AUT: <i>Be. de</i>	BIH: <i>Kilic</i>	BUL: <i>AB</i>	GRC: <i>g</i>
HNG: <i>Földi Kult</i>	HRV: <i>n. kul</i>	MKD: <i>Wayu</i>	MNE: <i>d. O.</i>	ROU: <i>St. I.</i>
SRB: <i>Гварант</i>	SVN: <i>FM</i>	TUR: <i>AB</i>	UKR: <i>Ukrainian</i>	

Channel 46

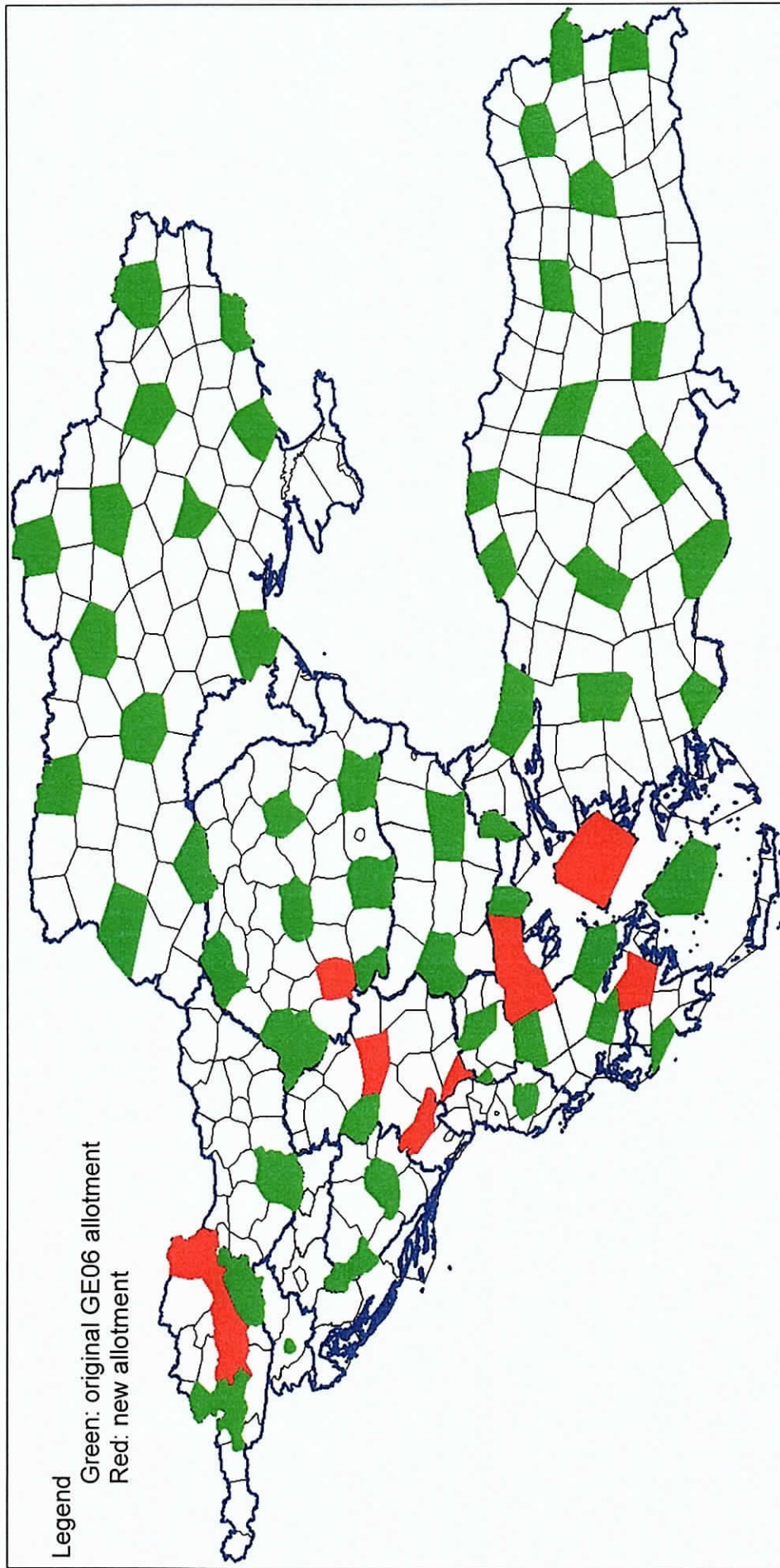
Legend

Green: original GE06 allotment
Red: new allotment



ALB:	AUT: <i>St. 100</i>	BIH: <i>M. 100</i>	BUL: <i>100</i>	GRC: <i>100</i>
HNG: <i>100</i>	HRV: <i>100</i>	MKD: <i>100</i>	MNE: <i>100</i>	ROU: <i>100</i>
SRB: <i>100</i>	SVN: <i>100</i>	TUR: <i>100</i>	UKR: <i>100</i>	

Channel 47



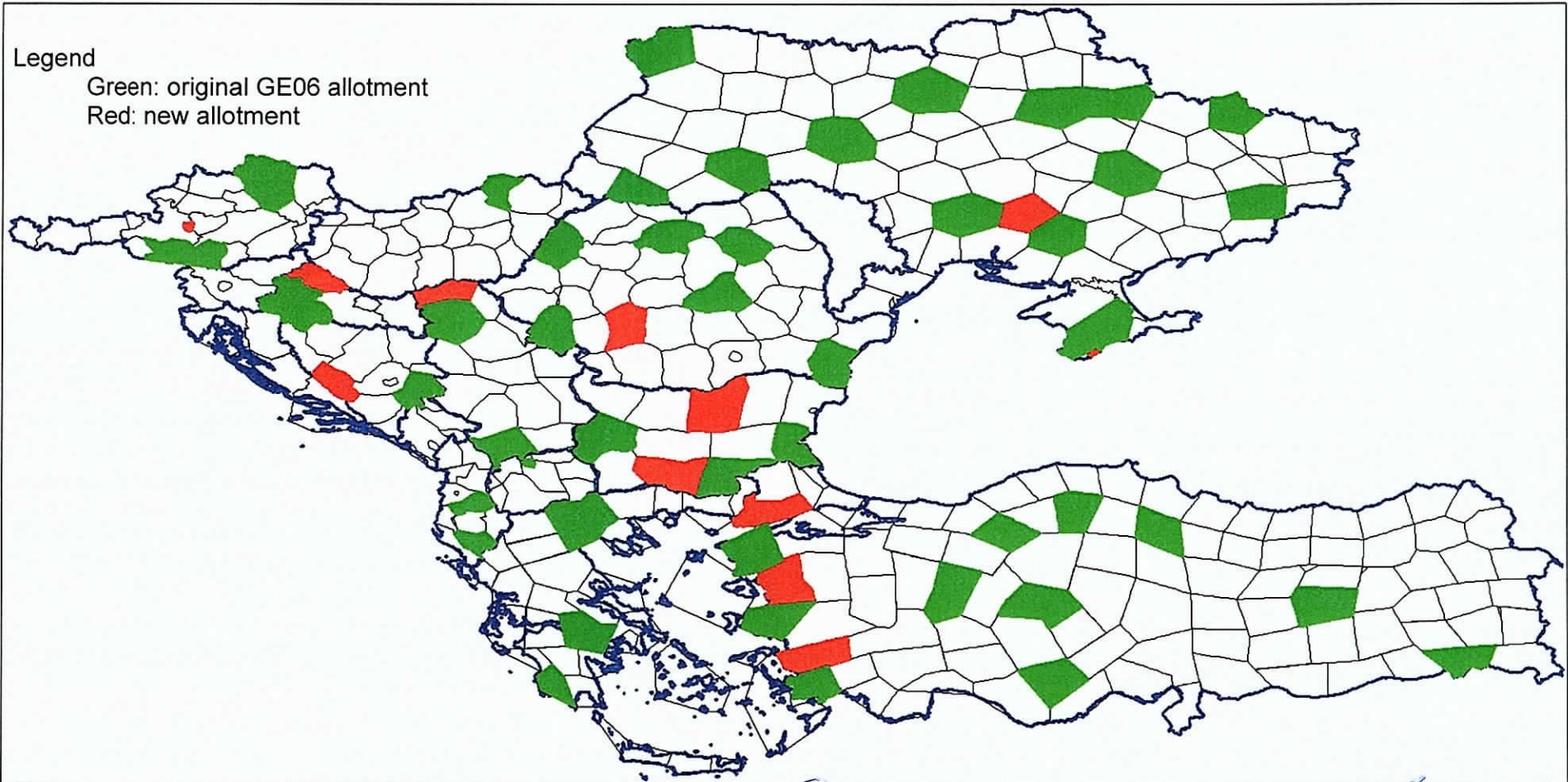
ALB:	AUT:	BIH:	BUL:	GRC:
HNG: <i>peni</i>	HRV: <i>in</i>	MKD: <i>Wyl</i>	MNE: <i>d.v.</i>	ROU: <i>Adri</i>
SRB: <i>Abapant</i>	SVN: <i>Ally</i>	TUR: <i>AB</i>	UKR: <i>[Signature]</i>	

Channel 48

Legend

Green: original GE06 allotment

Red: new allotment



ALB:	AUT: <i>Beirak</i>	BIH: <i>Alibeg</i>	BUL: <i>RS</i>	GRC: <i>Li</i>
HNG: <i>Ferizajt</i>	HRV: <i>M. L.</i>	MKD: <i>Novak</i>	MNE: <i>d. v.</i>	ROU: <i>Adri</i>
SRB: <i>Abapart</i>	SVN: <i>MM</i>	TUR: <i>AB</i>	UKR: <i>[Signature]</i>	