Computer Science and Interdisciplinary Research Journal
Volume 3, Issue 1, 2026. ISSN: 3033-1218, DOI: 10.70862/CSIR.2026.0301-20

Designing a Model for Sustainable YouTube Channel Growth

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Abstract – This study examines the problem of the lack of an integrated model for the sustainable development of a YouTube channel tailored to a specific target audience. Under conditions of algorithmically driven visibility on the YouTube platform, content creators are faced with the need to combine analytical, content-related, and managerial factors within a unified strategic framework. The article aims to develop a practically applicable model that integrates audience analysis, content optimization, video structuring, SEO practices, and systematic analysis of data from YouTube Analytics. Methodologically, the study combines an analysis of scholarly literature, an analysis of active YouTube channels, the dynamics of channel development, and the interpretation of behavioral metrics. The proposed framework is designed to support the improvement of key behavioral indicators such as watch time, audience retention, and click-through rate by aligning content strategy with audience behavior and platform recommendation dynamics. In this sense, the model provides a structured basis for sustainable organic channel development.

Keywords – Audience analysis, Content optimization, YouTube analytics, YouTube channel development, YouTube recommendation algorithm.

DOI: https://doi.org/10.70862/CSIR.2026.0301-20

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Received: 17 April 2026.
Revised: 12 June 2026.
Accepted: 13 June 2026.
Published: 13 June 2026.

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1. Introduction

In the context of growing competition on the YouTube platform, the sustainable development of a channel depends not only on the quality of the content provided but also on the creator's ability to adapt their content to the metrics of the recommendation algorithm. The visibility of videos, access to audiences, and the pace of growth are determined to a significant extent by the platform's recommendation system. This places content creators before a complex problem: how to integrate creative (content-related), analytical (metric-based), and strategic decisions in such a way as to meet both the audience's expectations and the logic of algorithmic distribution?

The proposed framework expands existing discussions in the fields of digital marketing, recommendation systems, and audience behavior by integrating analytical, strategic, and creative dimensions into a unified conceptual structure adapted to YouTube's algorithmic environment. Unlike approaches that examine isolated platform mechanisms independently, the present model seeks to synthesize these elements into a coherent framework for sustainable channel development.

The YouTube algorithm represents a recommendation system whose main goal is to increase engagement and the amount of time users spend on the platform. It is based on machine learning and uses multiple signals, including watch history, watch time, click-through rate, and engagement indicators, as well as video metadata such as title, description, and keywords [1].

Recommendations appear in key places such as the homepage, the "Up Next" section, and search results. The algorithm selects content that is most likely to hold the viewer's attention, creating a feedback loop – user behavior influences future recommendations, while the recommendations themselves determine what content will be watched [2].

According to YouTube's official blog, the system was designed to help people discover videos that

match their interests and provide value. To achieve this, the algorithm analyzes each user's unique viewing habits and compares them with those of others with similar interests in order to suggest the content that is most relevant to them [3].

In addition, YouTube's official help documentation specifies that recommendations are based on a combination of the user's personal activity, the overall popularity of videos, and the quality of the content. The system takes into account factors such as relevance, freshness of information, and source reliability in order to ensure more balanced results [4].

In this context, since the platform's main revenue comes from advertisers, one of the system's primary goals is to keep users on the platform for as long as possible, increasing the likelihood that they will interact with advertising content.

YouTube may be more accurately described as a dynamic recommendation ecosystem optimized for maximizing user engagement and session duration through personalized algorithmic content distribution.

In this sense, developing and implementing a successful model for the growth of a YouTube channel requires not only an understanding of the basic principles by which the platform functions, but also skills in creating video content, strategic planning, and the systematic analysis of behavioral metrics. It is necessary to combine detailed audience analysis, the establishment of a consistent publishing schedule, management of the channel's visual and brand identity, content optimization, and periodic monitoring of results through analytical tools. Although each of these components has been studied independently, there is a lack of an integrated approach that brings them together into a comprehensive, structured, and applicable framework. Therefore, the main problem addressed by the present study is how all of these parameters can be synthesized into a unified model for the sustainable development of a YouTube channel. For this purpose, a model has been developed and tested in practice that systematizes the factors mentioned and integrates them into a coherent strategic structure.

2. Methodology

The study is based on a systematic review and critical analysis of scientific literature examining the algorithmic recommendation system, user behavioral patterns, and the factors for channel growth on the YouTube platform.

The development of the YouTube channel growth model consists of four main methods. These four methods are literature analysis, observations of the dynamics of channel development, analysis of YouTube metrics, and adherence to the advice of YouTube Creators.

The study begins with a systematic review of publications, research, and official YouTube documentation to identify key factors for channel growth, the characteristics of the algorithm, and best practices for content optimization. This stage provides the theoretical foundation of the model and supports the understanding of the interaction between the algorithm and audience behavior.

The dynamics of channel development are examined through an analysis of available data and trends in the scientific literature and official YouTube documentation, including publishing patterns, audience engagement, and visual identity. This makes it possible to extract general principles and practices applicable to different types of channels.

The framework emphasizes the interpretation of key analytical indicators available through YouTube Analytics, including Impressions, Click-Through Rate (CTR), Watch Time, Average View Duration, Audience Retention, and Traffic Sources. These metrics are examined conceptually in relation to audience behavior, recommendation visibility, and content optimization strategies.

By combining the four methods, the study offers an integrated and reproducible model that brings together theoretical knowledge and practical observations into a unified framework for the strategic development of a YouTube channel.

As a result of applying the described research methods, an integrated model for the strategic development of a YouTube channel was developed, presented in Figure 1. The diagram visualizes the sequence of main stages that describe the process of planning, creating, publishing, and analyzing content, as well as the mechanisms for adapting the strategy based on the results obtained.

The model begins with an audience analysis, which provides the foundation for building a visual and brand identity aligned with viewers' preferences and behavior. The third stage includes an operational cycle that describes the process of developing ideas, creating video content, and optimizing visual elements before publication. After publication, an analytical sequence is carried out based on key metrics from YouTube Analytics, such as Impressions, Click-through Rate (CTR), Watch Time, and Audience Retention.

From a methodological perspective, the proposed framework may be summarized as an iterative sequence consisting of audience analysis, strategic planning, content creation, optimization of visual and textual elements, publication, analytical evaluation, and strategic adaptation. This formalization improves the clarity and reproducibility of the conceptual model.

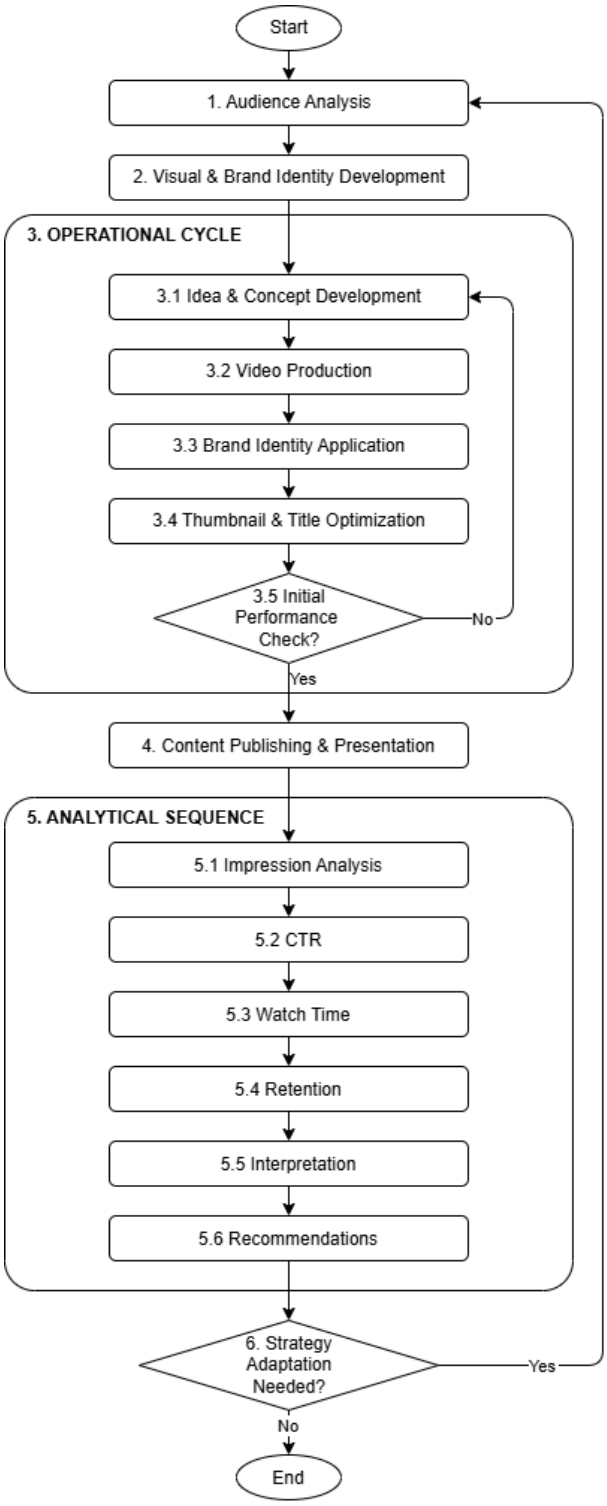


Figure 1. Conceptual framework for YouTube channel development.

3. Building a model for the development of a YouTube channel

3.1. Analysis and understanding of the target audience

3.1.1. Identifying and getting to know the audience

The first and fundamental stage in building a sustainable YouTube model is the systematic identification of the target audience, which allows the creator to adapt their content to the interests and needs of viewers.

As Chen states in his study, "The results indicate that understanding the audience's needs, preferences, and behaviors is crucial for creating effective marketing strategies" [5].

This statement also has direct application in the context of YouTube, where personalization and the analysis of viewer behavior determine the channel's success.

Identifying the target audience should begin by answering several basic questions: who the content is being created for, what their interests are, what value will be provided to them, which age group they belong to, where they live, what language they use, what their habits are, and what type of communication they find easiest to engage with.

In the context of YouTube, this profiling includes both demographic characteristics, such as age, gender, and language, and behavioral and motivational traits, such as interests, needs, motivation for watching, and preferred communication style.

For example, content aimed at a younger audience usually requires a more dynamic pace, a shorter format, and a more casual style, whereas content directed at a more mature or professional audience implies a more analytical approach, a clearer structure, more comprehensive explanations, and more specialized language.

If the content is intended for an international audience, the language, examples, and cultural references should be adapted accordingly.

In this way, audience analysis does not remain abstract but becomes the foundation for choosing topics, format, language, and the way the content is presented.

Therefore, identifying the target audience requires a clearly formulated profile: what problems they have, what they are looking for on the platform, what type of content would keep them engaged, and how the channel can contribute value to them. It is precisely this level of specificity that allows for more accurate planning of the content, tone, format, and publishing frequency.

Content creators can use YouTube Analytics to identify demographics, viewing behavior, and retention patterns. The official YouTube help page emphasizes that "You can use analytics to better understand your channel and individual video performance with key metrics and reports in YouTube Studio" [6]. This data enables the creation of content that resonates with a specific audience and increases the likelihood of engagement and subscriptions.

Focus on producing high-quality, meaningful content that connects with your intended audience.

Identify audience interests, preferences, and challenges, and tailor videos to match these needs. Prioritizing quality content, maintaining active engagement with viewers, and leveraging social media channels can contribute to attracting a more relevant and engaged audience, supporting sustainable channel growth and improved performance over time.

However, understanding the audience is not limited to demographic data alone. It also includes emotional, motivational, and cognitive factors, as Lizhu Chen highlights in her research – engagement requires content that creates value and resonates with the viewer's internal motives.

The author finds that companies that effectively engage their audience can build brand loyalty, drive sales, and ultimately achieve their business objectives. However, reaching and engaging the right audience is not always an easy task, as it requires a deep understanding of audience needs and preferences, as well as the ability to create content that provides value and resonates with them [5].

Over time, the characteristics and preferences of the audience may change, which necessitates a corresponding adaptation of the content so that it remains relevant and engaging. Therefore, audience analysis should not be viewed as a one-time activity, but as a continuous process involving successive stages of monitoring and analyzing data, adapting content based on the results obtained, actively communicating with viewers, and subsequently reassessing. It is precisely this cyclical process of analysis and adaptation on which the model discussed in this article is based.

3.1.2. Strategic Content Creation

The next aspect of the work is creating content that is tailored to its characteristics, interests, and needs. It is precisely the personalization of content to the audience that is a key factor in achieving higher engagement and the sustainable development of the channel.

Based on the analytical data obtained, it should be transformed into content that combines value for the audience with algorithmic relevance.

A study by the authors Yu, Haroon, Menchen-Trevino, and Wojcieszak shows: "Recommendation algorithms profoundly shape users' attention and information consumption on social media platforms" [7].

This means that the creator must produce content that simultaneously attracts and retains attention, while also generating behavioral signals.

On the other hand, factors that promote videos are identified: "video view count, likes, dislikes, and comments are visible to users as they visit YouTube video webpages and thus serve as social endorsement cues that could impact user psychology relative to engaging with online science videos" [8].

These "social signals" – likes, comments, views – not only influence user perception, but can also be perceived by the algorithm as indicators of quality and interest, which supports the creation of content that is both informative and engaging

The analysis by Violot, Elmas, Bilogrevic, and Humbert (2024) regarding "Shorts" formats and standard videos provides a concrete idea of content strategy: "Shorts target mostly entertainment categories, while regular videos cover a wide variety of categories" [9].

This highlights that the use of different formats (short, entertaining videos + longer, more substantial videos) can serve to combine entertainment and value, in line with audience preferences.

Therefore, creating content that is simultaneously useful, entertaining, and unique requires the deliberate application of a strategic and creative approach. It begins with a deep understanding of the target audience and its needs, continues with the development of content that combines emotional impact with the delivery of value, and concludes with maintaining a consistent and authentic style.

Successful content does not aim merely to attract attention, but to build a long-term relationship with the viewer through value, identity, and trust that make them come back again and again. When a video engages emotionally, enriches cognitively, and presents an original perspective, it naturally stands out in the platform's competitive environment.

Ultimately, effective content creation can be defined as a synergy between an analytical approach and creative expression: data shows the direction, and creativity breathes life into the idea. It is precisely this balance between science and art that transforms a YouTube channel from simply a source of videos into an evolving digital brand capable of inspiring, educating, and entertaining its audience.

3.1.3. Creating an Upload Schedule

Another aspect of our analysis is creating a publishing schedule that aligns with the analytical data already collected about the target audience.

Once we have successfully identified the target audience, we can move on to creating a video publishing schedule and examining the most appropriate posting frequency. The weekly or monthly schedule must be aligned with the audience and the times when they are active on the platform, as well as with the duration of the videos.

Although videos can be watched at any time, the upload time is one of the most important factors in achieving high viewership for a video, as it should be aligned with the time when users are active on the

platform. Video popularity indicators accumulate over time, but growth in popularity tends to slow down. Research has shown that video release time can significantly affect user attention, with media platforms often experiencing peak engagement shortly after publication, while user activity follows cyclical patterns across days and weeks [10].

Analyses by marketing agencies show that the optimal times for publishing videos are in the afternoon after the end of the workday on weekdays and in the early afternoon or around noon on weekends. These data are based on observations of user activity and serve as a general guideline, particularly useful when the target audience is located in nearby countries or within a similar time zone [11].

Almost all marketing agencies indicate the following upload frequency as optimal: 2–3 long videos per week and 1–2 shorts. A balance should be sought between regular uploading and oversaturating users with content.

Creating and sticking to an appropriate upload schedule is key to the channel's growth – not only for reaching new users, but also for engaging existing ones.

3.2. Structuring and Presenting Video Content

3.2.1. Structuring the Video and Retaining Attention

The content of videos must be adapted to meet the platform's algorithmic criteria, with the main goal being to maximize viewer retention both within the video itself and throughout the platform's overall session.

With the saturation of digital content and increasing accessibility, it is becoming ever more difficult to hold viewers' attention, and the younger they are, the harder it is for them to maintain their focus.

That is precisely why the first few seconds are crucial in determining whether the viewer will continue watching the video. We should use these initial 15 seconds to engage the viewer as much as possible.

In his research, Ryan Nugent offers several tips:

- Start with something that will immediately grab attention, whether it's what you say or a stunning visual;
- Make it clear what your video is about early on, so viewers aren't confused about what they're watching;
- Tease the rest of the video so the audience is intrigued to see where you take them [12].

A common mistake many content creators make is starting the video with a long channel or series intro, which consumes not only the first crucial 15 seconds, but sometimes up to 60 seconds or more. As the author notes: "A flashy intro may look cool, but it's not the star of the video – let them see you, or your great content, first" [12].

At the beginning of the video, we should clearly show what the topic is and pose an interesting question that we will answer during the video. Once we have "hooked" the viewer with the question, it is important to provide the answer at the end, before the conclusion, to keep their attention until the very end.

Just as important as the content being useful and entertaining is the way it is presented, so that it captures and sustains the viewer's attention and interest.

3.2.2. Audience Engagement Mechanisms

Despite the widespread understanding, likes, shares, and comments do not have direct significance for YouTube's algorithm; the available empirical and official data indicate that these metrics do not constitute direct ranking factors. Their impact is rather secondary, as part of the broader model for evaluating viewer satisfaction, in which metrics such as watch time and click-through rate (CTR) play a leading role.

As stated in the study "The Science of YouTube: What Factors Influence User Engagement with Online Science Videos," social endorsement cues significantly relate to variations in user engagement, with likes showing a consistent positive association across different types of engagement [8]. YouTube's official documentation confirms this approach, explaining that the system also considers various forms of interaction, including likes, shares, comments, "not interested" feedback, and survey responses when determining recommendations [13].

Therefore, likes, comments, and shares should be regarded as secondary indicators that support the assessment of satisfaction and the quality of the user experience, but do not have a direct impact on the algorithmic distribution of the video.

3.2.3. Calls to Action and Guiding Viewer Behavior

The need to use other strategies to encourage viewer behavior becomes particularly significant, with calls to action taking on a key role.

Calls to action placed in the middle (the climax) or at the end of the video play a greater role.

Although the number of subscribers has no direct significance for the algorithm, encouraging the user to subscribe has substantial long-term importance. It helps turn a casual viewer into a returning one, which ensures stable viewership, especially in the first hours after a video is uploaded - a period considered critical for the algorithmic visibility of the content.

Inviting the viewer, at the end of the video, to watch other videos from the channel has a much more important role. Watching additional videos from the same channel is also a key signal for the algorithm, because it shows that the channel succeeds in retaining the viewer's attention and contributes to extending their session on the platform. This action sends a strong signal to YouTube's recommendation system that the user is interested in the channel's content, which indirectly increases their satisfaction and raises the likelihood that they will remain on the platform.

This phenomenon is particularly significant in the context of how YouTube's recommendation system functions, whose goal is to maximize the amount of time users spend on the platform. As stated on the YouTube blog: "We focus on those that increase the amount of time that the viewer will spend watching videos on YouTube, not only on the next view, but also successive views thereafter" [14]. Therefore, encouraging the viewer to continue watching through content from other channels increases their session time, which may indirectly contribute to a more favorable evaluation.

3.3. Management and Optimization of a YouTube Channel

3.3.1. Building an Online Identity

Every YouTube channel should have its own visual identity and style, which supports the channel's recognizability.

The channel's visual identity and the use of a unified, recognizable design for the logo, banner, and thumbnails do not have a direct impact on YouTube's algorithm, but they are extremely important for building a recognizable online brand that viewers can easily identify. The logo and banner serve as symbols representing the content creator's identity and help establish a personal connection between the creator and the audience. Successful YouTubers create a personal brand through consistent content that reflects their identity and values.

A unified design across the logo, banner, and thumbnails creates consistency and recognizability. YouTube channels that maintain a consistent visual style build a stronger brand and are more effective at attracting and retaining an audience.

3.3.2. Optimization of Titles and Thumbnails

A user's first interaction with a video takes place through the visual and textual content of the thumbnail and the title. These elements represent the first point of contact with the content and play a crucial role in the viewer's decision whether to watch the video, thereby influencing the channel's visibility and engagement.

Thumbnails and titles constitute the user's first contact with content on YouTube. They are not only a visual and textual message aimed at capturing user attention, but also a means of provoking attention, generating interest, and eliciting an emotional response that encourages clicking on the video. As the study *Beyond the Click: How YouTube Thumbnails Shape User Interaction and Algorithmic Recommendations* states, "First impressions are key, especially in the crowded world of digital content on platforms like YouTube, where thumbnails play a vital role in grabbing viewer attention" [15].

According to another study (*To Click or Not To Click: Automatic Selection of Beautiful Thumbnails from Videos*), thumbnails are "the most representative snapshot" of a video, which "capture the essence of a video and provide the first impression to the viewers; ultimately, a great thumbnail makes a video more attractive to click and watch". This finding highlights that a well-designed thumbnail can significantly increase the likelihood of engagement and viewership [16].

The purpose of the thumbnail is to attract the viewer's attention and stand out among the many other thumbnails displayed on the screen. On platforms like YouTube, where the user decides at a glance, the thumbnail must be as easy to notice as possible. To achieve this, it is recommended to use bright, saturated colors and high contrast, which help the image stand out and remain legible at first glance, without requiring the viewer to look more closely.

The most effective thumbnails are those that combine short, emotionally charged text – often in the form of a rhetorical or provocative question – with a visually appealing image and clearly contrasting colors. Thumbnails featuring content with a universal appeal or related to universally engaging themes such as mystery, fantasy, science, and military subjects are more likely to attract higher viewership. This confirms that visual elements that evoke universal interest or strong emotions increase the likelihood that the viewer will choose the video. The main function of the text on the thumbnail is not to describe the content of the video, but to direct user attention to the title and provoke interest in the content itself.

The video title should be short enough to be displayed in full while also describing the content clearly and precisely. Although YouTube allows titles of up to 100 characters, only the first 70 characters are shown. For optimal presentation and title visibility, it is recommended that it be between 50 and 70 characters, which allows viewers to see the full title. The title should also complement the thumbnail, without the two repeating the same elements.

In conclusion, the title and thumbnail are key factors in attracting attention and encouraging user engagement on YouTube.

3.3.3. The Role of Descriptions and Links in Videos

The main goal of YouTube's algorithm is to keep users within the platform. One of the nuances that is often overlooked is the links in video descriptions. Although indirectly, they can have a major impact. If the links are external, redirecting users outside the platform, the algorithm will detect low interest in continuing to watch the video. If external links are unavoidable, it is best to mention them at the end of the video, which is why we hear many creators say, You can check the link in the description after watching the video."

3.3.4. Search Engine Optimization

For videos to be discovered and recommended by YouTube's algorithm, they need to be optimized for search engines (Search Engine Optimization, SEO). In the context of the platform, SEO represents the systematic use of key video elements – title, description, tags, visual components, and metadata – to help the algorithm understand the topic and content of the video and recommend it to the appropriate audience. Search optimization increases the visibility of videos, improves their discoverability in search results, and supports algorithmic recommendations to viewers who show interest in the relevant topic.

YouTube's official help page, in the "Tips for video descriptions" section, recommends using the Research tab in YouTube Analytics and Google Ads Keyword Planner to identify popular keywords and synonyms to include in descriptions and titles in order to increase search traffic [6]. It also states: "Use the Research tab in YouTube Analytics and Google Ads Keyword Planner to identify popular keywords and their synonyms. Including these terms can help you maximize traffic from search" [6].

In addition, best practices such as the following are recommended:

- Including the keyword in the first 1–2 sentences of the description.
- Use unique descriptions for each video to avoid duplication.
- Organizing tags so that the first tag is the main keyword, followed by synonyms and related topics.
- Using visual prompts (thumbnails) and structuring videos with chapters helps the algorithm understand the content better.

Proper SEO optimization is a fundamental part of a channel growth strategy: it corresponds to how the algorithm "reads" the video – not only the content, but also the metadata – and thus increases the chances of the video being recommended to a relevant target audience

3.3.5. Promotion of content through external channels

Distributing content outside the platform itself – through social media, blogs, forums, and websites – is an important tool that makes it possible to expand the audience and stimulate organic growth, while also potentially improving key channel metrics such as watch time and subscriptions through new entry points.

Distributing content beyond the YouTube platform itself can be a significant factor in increasing reach and organic growth. The channel's content should not remain isolated within YouTube alone, but should be actively promoted through other digital channels – social media, blogs, forums, and websites. This not only increases the potential audience, but can also enhance the channel's performance (for example, watch time or subscriptions) through new entry points.

Specific promotional strategies include:

- **Sharing videos and promoting them on social media** (Instagram, Facebook, TikTok, LinkedIn, X) with adapted visuals and a link to the original content.
- **Embedding videos in blogs and websites –** this not only drives traffic, but also reinforces the channel's authority and improves SEO metrics.
- **Partnerships and collaborations** with other creators or niche websites that have access to a similar target audience - this provides access to new viewers and an "exchange" of audiences.
- **Sending video materials through email newsletters** – creating targeted email campaigns that include links to new videos and encourage viewers to return to the channel.

It is important to note that external traffic in itself does not guarantee algorithmic recommendation – the key factor remains the platform's internal measure of content quality: how many viewers stay, what kind of engagement they show, and which other videos they move on to. Promotion outside YouTube provides an entry point to the content, but real success is determined by how the video performs afterward within the platform itself. Therefore, an external promotion strategy should be closely linked to optimized content and a consistent analytical approach – tracking the traffic source, the behavior of attracted viewers (for example, retention, subscriptions, and interactions), and adapting the content based on this data.

Including promotion in external channels as an additional element of the overall development model

not only increases visibility and recognizability but also supports the algorithmic advertising system through additional signals of value, relevance, and active distribution.

3.4. Data Analysis

A crucial step for the success of a YouTube channel is content optimization.

Systematic data analysis through YouTube Analytics is a key tool for evaluating and optimizing content. Data analysis allows the creator to understand how viewers interact with the videos, where they come from, how long they watch, and at what moments they lose interest. This information forms the basis for strategic decisions regarding content, video length, titles, descriptions, and channel structure.

According to the official YouTube Help page, the Reach section is the main tool for understanding how viewers discover content, providing data on impressions, click-through rate, watch time, and traffic sources:

The "Reach" tab in YouTube Analytics provides insight into how viewers discover content and offers a snapshot of key metrics such as click-through rate, watch time, and views. This information helps identify strengths and weaknesses in video performance – for example, a high CTR combined with low watch time may indicate the need for a stronger hook or improved video structure [17].

Another important metric is audience retention. It shows the percentage of a video that viewers watch on average and identifies the points at which viewers drop off. As Backlinko explains, audience retention represents the average percentage of a YouTube video that people watch, and videos with consistently high audience retention and watch time are more likely to appear in Search and Suggested sections on YouTube [18].

This proves that high retention and long watch time are key signals for the algorithm that determines which videos should be recommended.

Among the key metrics that should be analyzed are:

- **Impressions and Click-through Rate** (CTR) – show how many times the thumbnail has been displayed and what percentage of users clicked on it.
- **Watch Time** – the total time spent watching the video; one of the main metrics for the algorithm.
- **Average View Duration** (AVD) – the average time viewers spend watching; an important indicator of retention.
- **Traffic Sources** – shows where viewers come from (homepage, suggested videos, search, external sources).
- **Playback Locations and Devices** provide information about which devices and locations videos are being watched from, helping creators optimize content format – for example, adapting videos for mobile viewers by using vertical formats. This data supports better alignment between content design and audience consumption patterns [18].

By analyzing this data, the creator can gain a clear understanding of the content's effectiveness and make targeted improvements. For example, if the CTR is high but the Average View Duration is low, this suggests that the title and thumbnail are appealing, but the content does not meet the viewer's expectations. If, on the other hand, the CTR is low, the video is likely failing to attract attention at the impression stage, which calls for visual and textual optimization.

In addition, YouTube recommends periodically monitoring the data from the Reach, Engagement, and Audience sections to identify long-term trends and behavioral patterns. This makes it possible to adapt the content according to the demographic and behavioral characteristics of viewers.

A proper understanding of the data is a crucial factor in evaluating results, optimizing content, and planning future videos based on evidence and empirical data. YouTube Analytics is a tool not merely for measurement and analysis, but for the strategic management of channel growth and optimization.

4. Discussion

The developed model brings together several key factors – audience analysis, content creation, algorithmic optimization, channel management, and data analysis. These elements are considered parts of a unified system that can support the strategic planning and development of any YouTube channel.

According to scientific research and YouTube's official documentation, it can be seen that the platform's algorithm relies on behavioral metrics such as watch time, audience retention, and click-through rate. The individual steps in the proposed model are aimed precisely at improving these metrics. Creators who know their audience well, create content according to its needs, and optimize its presentation can achieve higher engagement and better visibility.

One of the core concepts of the model is that creating a YouTube channel is a process that involves multiple elements that complement one another. A piece of content may be of high quality, but it may fail to reach the right audience due to improper optimization. At the same time, the algorithmic

optimization of a video will not compensate for the lack of quality content that provides value to the relevant audience.

The iterative nature of the framework corresponds to contemporary approaches in digital marketing and platform-oriented content optimization, where continuous analytical evaluation and behavioral interpretation are used to refine strategic decisions. The model may therefore serve both as a practical guideline for creators and as a conceptual basis for future empirical studies related to algorithm-driven media ecosystems.

The main aspects of the model – identifying the audience, developing content, improving performance, and regularly reviewing the results - can be applied to any channel. This allows it to be used as a development plan for both new and existing YouTube channels.

Since the study is based on official Google sources and on existing scientific research in the field, the proposed model can be regarded as a universal principle for development aimed at increasing the visibility of channels on the platform.

5. Conclusion

This study examines the problem of developing a YouTube channel in conditions of strong competition and algorithmic control over content visibility. The analysis of the scientific literature and the platform's official documentation shows that the successful development of a channel does not depend solely on the quality of the video content, but on a combination of multiple factors, such as a proper understanding of the audience, strategic content planning, video optimization, and systematic analysis of behavioral metrics.

This model for developing a YouTube channel brings together all factors into a coherent and practical framework. The model includes audience analysis, creating valuable content, structuring videos to retain attention, optimizing visual and textual elements, promoting the content, and systematically analyzing the results through YouTube Analytics.

The main advantage of the proposed model is that it views channel development as a process in which the individual elements are interconnected and complement one another. By combining a creative approach to content creation with an analytical approach to evaluating results, the model provides a practical framework for the more sustainable development of YouTube channels.

The systematic application of the described principles can improve content visibility, audience engagement, and viewer retention. In this sense, the proposed model can be used as a guideline in the planning and development of YouTube channels across various thematic areas.

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