The Social Narrative of Sustainable Eating and Its Cultural Challenges

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Abstract. The present paper will analyze the social discourse which forms the concept of sustainable eating and the multifaceted cultural dimensions which affect the uptake of the concept in different societies. Sustainable eating has become a core concept in the environmental as well as the popular health rhetoric, as eating habits that safeguard the well-being of human beings and reduce the environmental effects. Nonetheless, the application of sustainability principles into daily food behavior is severely intertwined with culture, social conventions and individual identity. Based on the literature published between 2015-2022 and the discussion of the media, and some comparative studies in Europe, Asia, Africa, and Latin America, this research paper examines the interaction of the social meaning and food identity with structural inequities, as applied to the choice of diet. The results explain that the questions of sustainable diet are not merely environmental, but also social and cultural losses of tradition, power of control, and social power. The author identifies food illiteracy, cultural and economic inequities, fragmentation of policies, and misinformation as the principal challenges, and advocates for the need of participatory and culturally nuanced approaches for the alignment of global sustainability targets with local food systems. The paper finally outlines practical suggestions that focus on community integration, education, and the conservation of food heritage as the main avenues of supporting sustainable dietary transitions.

Keywords: Sustainable Eating, Cultural Challenges, Social Narratives, Food Culture, Dietary Transitions, Food Identity, Environmental Impact, Socioeconomic Barriers, Food Literacy, Sustainability Policy
First Section

1. Introduction

Food is not just a biological need, but it is a form of expression in which people identify themselves, social identity, memory and status. The idea of sustainable eating comes

S. Sharma et al. (eds.), *Proceedings of the International Conference on Emerging Food Studies: Intersections of Culture, Science and Sustainability (ICEFS 2026)*, Advances in Social Science, Education and Humanities Research 1017,
https://doi.org/10.2991/978-2-38476-583-6_40

about where nutrition meets with environmental ethics, socio-cultural research with an idea of promoting nutritious, eco-friendly, economically affordable, and socially equitable diets. According to the Food and Agriculture Organization (FAO), sustainable diets are those that either are low in environmental impact or which are also those that bring about food and nutrition, security and healthy life to the current and future generations. However, such diets do not happen merely as a choice of an individual but are difficult journeys through the maze of cultural and structural spaces. Within the past decades, the world has faced issues such as climate change, biodiversity degradation, and food access disparities which increased the sense of urgency to change food systems. The annual food production makes up about a third of total greenhouse gas emissions in the world, most of which is made up of livestock and dairy production (Poore and Nemecek 2018). In its turn, this leads policymakers and scientists to propose plant-forward, flexitarian, or local diets as solutions to the problem of environmental strain (Vermeir et al., 2020). Although there is much publicity for these benefits, the reality of changes in consumption patterns has changed at a slow pace compared to what is anticipated. Why do communities not justify the adoption of sustainable diets even when there are obvious environmental and health incentives? The solution to this is in social stories about food, the stories, symbols, and shared meanings, the stories that inform what people eat, and why. Eating habits are directly related to cultural traditions, faith, gender expectations and social ambitions.

Most societies still consider meat eating as an indication of wealth and masculinity, with plant-based diets potentially linked to austerity, moral prudence, or low socioeconomic status (Andersson and Bonnevier, 2020; Kenny et al., 2023). Food behavior change is not, that is, the same issue of technical or educational change, it involves dealing with cultural scripts that are very strong and run deep, and which support social cohesion and identity. The main aim of the paper is to discuss the conceptualization, representation, and practice of sustainable eating in the context of different cultures.

2. Literature Review

2.1 Defining Sustainable Eating

The notion of sustainable eating is multidimensional and includes the dimensions of environmental, nutritional, economic and sociocultural aspects. Bashiri et al. (2025) define sustainable diets as the ones that are optimized using multi-objective measures to balance health, affordability, and environmental protection. Nevertheless, even this optimization is not a practical approach unless it is converted into culturally relevant practices. According to House et al. (2023), cultural appropriateness is a crucial yet under-theorized concept of sustainability. Even those diets that are alien to the local identity or tradition are socially opposed although they may be more environmentally friendly. As an example, the campaign to reduce the consumption of red meat in Argentina or India will have to overcome the cultural tradition and religious importance. Therefore, cultural translation is inevitable when it comes to sustainability.

2.2 The Centrality of Food in Culture

Food systems represent cultural memory and social relations. According to anthropological studies (Monterrosa et al., 2020), shared values are passed on by recipes, ways of preparing meals, and traditions related to eating. Communal ties are connected through food rituals that involve celebration, reciprocity and care. As a result, the change in diet can be viewed as erosion of culture or a danger to traditions. The development of Bourdieu as a habitus (1984) is a concept that informs preferences on taste in the selection of food based on class and upbringing. This is to say that the concept of sustainability has no neutrality--it is mediated by social hierarchies. In high income settings, organic, or vegan diets can imply a higher level of moral righteousness or prestige, but in low-income areas, cost and convenience are chief factors.

2.3 Social Narratives and Food Identity

Food discourses are social narratives that work by collective discourse media, education, religion and family norms. Kenny et al. (2023) discovered that the symbolism of meat is still strong in various societies with a tendency to associate it with masculinity, wealth, and celebration. On the other hand, vegetarianism can be described as contemporary, feminine, or elite. Media is a two-sided phenomenon which spreads the messages of sustainability and creates perpetual conflicting images. Nugraha et al. (2024) noted that bad information on social media, such as false, unverified ecology claims or celebrity postings, is confusing and leads to a lack of trust. In this way, sustainable food consumption is a matter of ideology as opposed to action.

2.4 Internal Barriers: Knowledge, Taste, and Economics

Food Literacy Deficits

The lack of food literacy of the consumers is one of the most enduring obstacles to sustainable eating. Food literacy is the applied and theoretical knowledge required to select, prepare and eat both nutritious and environmentally friendly foods (Bashiri et al., 2025). In most school systems nutrition is a component of a health or science education but rarely associated with sustainability or environmental performance. Consequently, individuals usually know about calories or food categories without being aware of the impacts that their selection has on soil, water, and the carbon cycles. A second aspect of this gap is related to the inadequate knowledge of everyday cooking. Most teenagers, particularly those in urban areas, rely much on processed or ready-to-eat food and have no knowledge of how to make a plant-based meal that is highly satisfying in terms of taste and texture. Such culinary incompetence will reduce the experimentation and cement reliance on convenience foods. However, these are distributed and underinvested especially in the low- and middle-income areas. The lack of food literacy is still slackening sustainable transitions unless more institutional support is provided.

Taste and Habit

Eating patterns are acquired gradually and strongly entrenched in recollection and feelings. Van Doorn and Verhoff (2015) note that habitual decisions are associated with social significance and sensory satisfaction: the smell of ghee in Indian cuisines or the feel of grilled meat in Western cuisines give one the feeling of belonging. Due to these associations, individuals can intellectually come to terms with the concept of sustainability but be emotionally opposed to changing the long-established tastes. Taste

adaptation is a process that is acquired progressively and relies on social reinforcement. An example of this is the Nordic introduction of oat-based drinks, which has not been achieved by moral persuasion but by terms of local, innovative and pleasant.

Economic Constraints

Another major issue is affordability. Organic products, ethically certified products, or new sources of proteins are still more expensive than the traditional products (Hirvonen et al., 2025). Differences in prices intersect structural inequalities, increased cost of production, small market shares and inability to incorporate environment degradation in traditional pricing. Once sustainable foods are co-opted and linked to privilege, the poorer groups experience the feeling that they are not part of the discussion, and they view sustainability as something luxurious and not something to be achieved as a community. To overcome this gap, it is important to have policies that would allow sustainable options to become affordable. Cost reduction can be facilitated through community-supported agriculture, cooperative markets and community-provided food programmes. Nevertheless, government subsidies tend to benefit industrial agriculture to increase the distance even more. Just food transition requires financial changes and government investments which will allow all households, not just the wealthy, to eat in ways that are eco-friendly.

2.5 External Barriers: Culture, Policy, and Media

Cultural Norms and Social Pressures

Dietary choices are an integral part of one's culture. They reflect their sense of belonging and identity and express their moral values. Kenny et al. (2023) states that for many societies, deviating away from traditional food systems leads to the risk of facing criticism or ridicule from other members of the culture by those who view deviation as a lack of respect for the traditional food systems of the culture. An example includes choosing to become vegetarian in a meat-eating culture or avoid consuming dairy within a pastoralist society. In both of these cases, many members of the respective cultures may view those who choose either of these lifestyles as dishonoring the culture in which they live. There are many examples of this. For example, in a Mediterranean culture, declining a communal meat dish in a family may be viewed as an indication you are rejecting the hospitality of that family. In some parts of East and Southeast Asia, substituting rice with imported grains is viewed as culturally inappropriate. Sustainability campaigns that ignore cultural values can easily come across as preachy or out of touch. When people do not see their own traditions reflected in these messages, they may feel that such ideas are being imposed on them. Real and lasting change is more likely when new practices are connected to what communities already care about and take pride in. Reviving the use of pulses, traditional grains, and local cooking methods respects cultural heritage while encouraging sustainability, rather than pushing uniform, globally standardised food habits.

Policy Gaps and Institutional Limitations

One of the other barriers to transformation is policy incoherence. Runhaar (2023) explains how agricultural, trade, health, and environmental policies are often developed separately from each other when each is focused on achieving different goals. For instance, while the agriculture ministry focuses on agricultural production and exporting products, health departments are focused on dealing with diet-related

diseases, and environmental agencies focus their efforts on emissions. Because there is little to no coordination between the many different ministries, there cannot be a single coordinated strategy for developing sustainable food systems. As such, consumers are often confused because they are receiving conflicting messages. Some people view subsidies as incentives to continue producing and buying food products that are not sustainable because these types of food products are cheaper than sustainable food products, which are generally more expensive and often poorly marketed. There are examples of integrated strategies, such as the European Union's "Farm to Fork" plan and Brazil's Agroecology Policy, that highlight what is possible when multiple ministries collaborate with one another for a common goal; however, even these programs are subject to the tension between economic growth and social equity.

Media Influence and Public Perception

Digital and media channels are increasingly shaping public perceptions of sustainability, for example through documentaries and public education initiatives, as well as through the creative use of digital storytelling to communicate ideas about ethical consumption, as well as local food systems. Conversely, however, the use of "sustainable" as a marketing term when promoting products constitutes an attempt to commodify sustainability through the use of design and visual creativity, which only reinforces the demarcation of social class rather than the empowerment of broader communities through participation in the sustainability movement (eco brands and eco design). The prevalence of false or exaggerated claims concerning sustainability has further muddied public perceptions of sustainability. Conflicting narratives about the environmental benefits of organic products, the potential harms of genetically modified products and plant-based meat substitutes have resulted in confusion and fatigue. Therefore, the establishment of a foundation for creating authentic representations of producers and their communities through improved media literacy and increased transparency in product labelling will be necessary for reclaiming a sense of moral clarity regarding sustainability within the public discourse.

2.6 Cultural Appropriateness and Adaptation

There are six elements in House and colleagues (2023): (1) Symbolic meaning; (2) Everyday practices; (3) Preparation methods; (4) Availability; (5) Flexibility; and (6) Social role which will impact the ability of a culture to adopt the practice of sustainable eating. Sustainability is an aspect that could not be imposed but it has to be rooted.

Context and Symbolic Meaning

Every food product has a narrative. The example of millets in India emphasizes the role of heritage in promoting sustainable practices. Historically seen as 'food for the poor', millets are now being recognized as nutritious and climate-resilient crops, as identified by traditional farmers. Through initiatives such as the International Year of Millets (2023), the Indian government has linked the use of these grains to the concepts of national pride and rural development. The Mediterranean diet continues to be practiced due to the ecological realities and agricultural traditions of the region, through the use of olive oil, pulses and vegetables, all of which are both traditional and sustainable.

Preparation and Access

When introducing new food concepts, there must be respect for local cultural practices as part of their preparation. An example of this is when plant-based proteins become acceptable to people because they are prepared using familiar ingredients and/or spices

and after being developed into structures with similar texture and taste to already-existing meat products. Examples of these types of innovations would be lentil kebabs or soy-based curries. It is important that sustainable foods can be sourced from a variety of sources, including but not limited to high-end markets, local street vendors, farmers' markets and public canteens; if these products are only available in specialty stores, sustainability will continue to be a niche offering.

Adaptability and Social Role

Adapting to food cultures involves integrating both the principles of global sustainability and those found within local food identity. An example of how traditional food resources may be integrated into more contemporary lifestyles without forcing outside standards upon the food culture can be seen through Nordic "New Diet" which focuses on fish, berries and grains that are found regionally. What Nordic 'New Diet' seeks to do is initiate discussions about these foods' cultural connections values and aims to promote strong community bonds through meal sharing, community celebrations, and intergenerational recipe sharing and family members.

Sustainable eating must create more of a shared cultural experience than an obligation to do the right thing in a moral way.

3. Methodology

3.1 Research Design

This paper uses an interpretive framework as the primary qualitative methodology supported by some selected secondary quantitative data to explore how individuals explain and justify their choices regarding food. In addition, it looks at how individuals view their food choices within the context of the larger cultural and environmental context in which they find themselves. Rather than attempting to quantify an individual's consumption of food, this investigation seeks to uncover the meanings associated with dietary behaviour, that is, how dietary choices are influenced by ideas about tradition, morality, modernity, and so forth. The methodology for this study consists of five complementary approaches.

A systematic review of the literature to create a theoretical basis; critical discourse analysis to look at public and media narratives regarding food consumption; a set of cross-cultural case studies that illustrate the variations between cultures in terms of their food systems; and the development of a future phase of research using semi-structured interviews to capture lived experiences, which often appear to be lacking in terms of the current literature or debates around food systems.

Some of the central questions that concern this work include:

1. In what ways do the social and cultural narratives shape and/or constrain the understandings and practices of sustainable eating?
2. What types of barriers (both internal and external) prevent or limit individuals from transitioning to a more sustainable diet?
3. How could culturally base approaches to transitioning to a more sustainable diet lead to the development of more inclusive and sustainable dietary changes?

This triangulated approach highlights the fact that food systems are social and cultural institutions shaped by human history, emotion, and collective memory, rather than simply being technical or economic systems.

3.2 Systematic Literature Review

Between February and June 2025, a literature review was conducted. This review began with searches in databases such as ScienceDirect, SpringerLink, Frontiers, and PubMed using terms that describe sustainable diets, food culture, social narratives, food literacy, and cultural barriers. Over seventy peer-reviewed studies including journal articles, book chapters and policy reports were found, and after excluding items that were duplicates or did not fit within the overarching theme of cultural narratives related to sustainability, fifty-two sources were reviewed in depth. Each study underwent a coding process to identify areas of focus (for example, cultural identity, consumer perceptions, environmental footprints, policy responses) and geographical location.

The systematic literature review focuses on analyzing the current body of work related to the topic of research.<|human|>3.2 Systematic Literature Review The systematic literature review is aimed at the analysis of the up-to-date literature on the issue of the research.
A literature review was done between February and June 2025. In this review, databases like ScienceDirect, SpringerLink, Frontiers, and PubMed were searched using the following terms that were used to describe sustainable diets, food culture, social narratives, food literacy, and cultural barriers. More than seventy peer-reviewed articles such as journal articles, book chapters and policy reports were identified and after eliminating those articles that were duplicates or could not be classified under the general theme of cultural narratives with respect to sustainability, fifty-two articles were analyzed in detail. This analysis showed a steady lag in the type of studies that were published; most of them were based on the nutritional or ecological aspects of sustainable diets and the number of studies that discussed how culture mediates such forms of diet practices was very few. This review of literature was done based on the systematic review approach as suggested by Tranfield, Denyer and Smart (2003) in the social science discipline. This literature review was aimed at arriving at a consistent perception of the links, which exist between cultural stories and the contemporary discussions of sustainability, rather than gathering a complete bibliography.

3.3 Discourse Analysis

Through critical discourse analysis, the report has been able to analyze how sustainable eating is portrayed to the people. All the reviewed material was published in 2020-2024 and included the material covered by publications such as newspapers, TV shows, Governmental letters and social media initiatives. Most of the texts that were analyzed were in English, Spanish and Mandarin to enable the comparison of culture. The report was designed based on answering 3 analytical questions:

- What are common set of values and assumptions in popular discourse of sustainable food?
- What is the manifestation of cultural identity, morality, and social class in the images of sustainable eating in these media discourses?

- In which of these media discourses has their voice been legitimized and their experience sidelined or even not heard?

The outcome of the analytical process was the emergence of five dominant discourse frameworks which include: health/moral virtue, environmental responsibility, nostalgia/heritage, economic practicality and lifestyle branding. These frameworks often clashed with each other, tension between social accessibility and ethical aspiration arose. The discourse of media tends to equate sustainability with virtue and suggests guiltiness of individuals who cannot afford high-end options. Such results were in line with the results of Nugraha et al. (2024).

3.4 Cross-Cultural Case Studies

In order to bring the debate close to real-life settings, three regional clusters were examined. The clusters represent various sets of heritage of cultural background, policy environment, and economic status.

Europe: Spain, Slovakia, and Denmark

These three cases show how people's attitude towards environment issues varies according to the amount of government support and the cultural background. For instance, the Mediterranean diet in Spain is already quite eco-friendly with such products as olive oil, beans, and vegetables. However, these are endangered by the rising trend of meat consumption and the modernization caused by tourism. Slovakia is an example of a challenge to keep diets affordable in different economies of the world while cultural pride in traditional dishes is taken for granted in the global market. Denmark is an example of how a strong government policy and well-structured education can integrate environmental issues into daily meals (Torán-Pereg et al., 2023).

Latin America: Colombia and Peru

In Latin America, the discussion of sustainability is inseparably linked with the local food traditions of indigenous and rural people. Based on Hayes-Conroy and Sweet (2015), this cluster points out the food sovereignty movement - a demand to protect local crops and community-based farming from the harm caused by industrial agriculture. Along with this, some of the methods like community seed banks, crop diversification, and local gastronomy fairs turn sustainability into a practice rather than a concept, and they firmly root it in the culture of self-determination.

Asia and Europe: China and Germany

The juxtaposition of the two nations (China and Germany) shows how they follow divergent but equally interesting developmental patterns. The national dietary guidelines in China have changed and now suggest moderate intake of meat in order to reduce the health and environmental risks. Nevertheless, meat is highly connected with wealth and social status. Meanwhile, in Germany, the vegetarians and flexitarians have gained rapid acceptance in the mainstream due to the support of civic engagement and government incentives.

The research of Rumpold (2024) and Poore & Nemecek (2018) reveal that cultural identity and economic stability are the main factors that determine how fast such changes can take place. The investigations of case studies from three different clusters demonstrate that environment-friendly lifestyle choices lead to success when they are based on the modification of the local traditions rather than substitution.

3.5 Semi-Structured Interviews

To expand and deepen the results gained during the literature review, discourse analysis, and cross-cultural case studies, a qualitative stage that included semi-structured interviews came into the study. Such interviews have been undertaken to understand the lived experiences of the participants on sustainable eating with a focus on how cultural norms, moral values, economic constraints and daily practicalities influence food-related choices. The semi-structured nature provided consistency between the interviews as well as flexibility to the participants to expound on the issues that most suited their social and cultural settings.The themes that were found central were perceptions of sustainability, affordability, cultural attachment to food, exposure to sustainability messages, and perceived barriers to dietary change. Such a methodology enabled the research to have the ability to capture the subtle views that otherwise would not be attained by an approach that is policy based or quantitative in nature. Thematic analysis of the data in the interviews was used as a supplement to the secondary sources, and to enhance the richness of interpretation of the research.

The interviews were not a representative sample; however, the interviews gave a contextual understanding of the process of negotiating sustainability discourses in daily life, which places the general analytical arguments of the paper within the experience narrated.

3.6 Secondary Data Analysis

Quantitative secondary data were employed to help explain the cultural findings. Among the point data sets were Poore and Nemecek (2018) for greenhouse-gas emissions and resource use, in addition to FAO food consumption statistics and local studies such as Hirvonen et al. (2025). The data reveals the environmental impact of various dietary patterns. As an illustration, ruminant meat generally is six times more CO_2 emission-intensive per kilogram than plant-based food. However, in areas where livestock is part of small mixed-farming systems, the relative footprint could be lower. The demonstration here is that sustainability cannot be measured without considering the cultural and natural environment contexts: a certain way of doing things may be regarded as causing a lot of waste in one place while it may be a source of energy for the other.

3.7 Validity and Reflexivity

Qualitative work quality is dependent on the transparency aspect but not on replication. Consequently, this research implemented the triangulation of the different sources—academic literature, policy texts, media narratives, and regional case studies—to increase the reliability of the interpretation. To ensure the analytical rigor of the study, detailed records of the search criteria and the analytical coding were made.

Reflexivity was emphasized throughout the paper. The author of the research acknowledges that being a part of an academy that focuses on sustainability might affect her/his interpretation. To lessen the bias and to be more receptive to the opposing evidence, the researcher was constantly reflecting her/his thoughts in notes and discussing them with peers.

3.8 Limitations

Three main limitations are discussed in this section. Firstly, the usage of English-only databases for research might lead to the exclusion of the works written in non-English languages, mainly those from the African and East Asian regions.
Additionally, as the study is currently based primarily on secondary sources, the findings should be read as interpretive rather than representative of lived experiences. The planned interview phase is expected to address this limitation in future research.
Secondly, the interview phase as envisaged in this project will require a lot of funding and a great deal of logistical coordination, which, in turn, may limit sample diversity.
Lastly, any cross-cultural comparison is bound to oversimplify intricate factors: something considered a barrier in one culture may turn into a coping mechanism in another.
Although these weaknesses exist, the synergized approaches present a comprehensive model on how social meaning, identity and policy converge in the quest to have sustainable diets.
In conclusion, the methodology of the research is a mixture of a cultural interpretation and documentary analysis. It does not only recognize the biological component of the eating act, but it also perceives the symbolic one, strongest impacted by the pasts shared and the social imagination. Therefore, the next chapter concerns the results and their explanation -how these interacting forces influence how the shifting societal discourse of sustainable consumption of food is applied within the societies.

4. Results and Discussion

4.1 Overview of Key Findings

The outcomes of this study indicate that sustainability in consumption of food cannot only be an issue of personal preference or information, but is a negotiated practice that is socially negotiated. The cultural identity of people, their historical traditions, and the conditions of society all contribute to the manner in which the individuals perceive the moral and the practicality of sustainable diets.
When analyzing the various sources of data - research studies, discourse materials, and regional case studies, three broad themes have been found throughout the readings:

- **Cultural Continuity and Resistance:** On the one hand, well established food traditions ground the peoples in the transition to sustainable eating; on the other, such traditions may be an obstacle to the transition to sustainable eating.
- **Moral Economies and Social Signaling:** The food option is often the expressive vehicle of social penetration and of the ethical personality of the individual.
- **Structural Inequality and Policy Shortcomings:** Economic accessibility, depoliticization of the discussed sphere, and media framing are influencing the possibility of sustainable behaviour and personal consciousness is a rather insignificant minor part of a set of factors.

These themes are not mere coincidental combinations but rather they engage in the dynamics with one another. On the one hand, cultural values and influences are relevant in what people consider as natural or good to eat, on the other hand, policy frameworks precondition some of the choices and thus make them possible or unaffordable; moral accounts that are widespread in the media influence the emotions and aspirations of people.

4.2 Dominant Narratives in Public Discourse

Throughout multiple media outlets, the identical three plots have been followed over time and again.To begin with, sustainability in food consumption is portrayed as a personal moral decision of an individual, somehow relating it to self-control, knowledge, and ethical superiority. The promotional messages and posts made by influencers often reflect the lifestyle of high ethical standards and coolness in consuming plants or organic products. Although this depiction has helped in the creation of awareness, it has also led to a certain alienating effect of some groups, as these diets are not affordable to them. The food moralization can go a long way in solidifying the social division: the eating of green food can be a means of displaying the belonging to the particular class, as opposed to the collective responsibility.

Such accounts are highly influenced by Global North ideologies where the concept of sustainability is informed by consumer choice, market solutions and individual character of moral responsibilities. This kind of framing tends to push aside Global South food practices that are already low impact but have not been institutionalized. Colonial past and economies of power still prescribe the diets that are considered as sustainable, focusing on the Western norms at the expense of indigenous and subsistence-oriented food systems.

Secondly, a nostalgic story glorifies the merits of going back. The local food movements around Europe, South Asia and Latin America are reviving usage of traditional foods such as lentils, millets or fermented vegetables and offering this not only as ecologically friendly but also as the purest types of consumption. It is an extremely powerful story where the emotional allegiance of the people to the local cultural heritage is evident because it creates the prospect of environmental action being perceived as extension of the culture and not its disintegration.

Thirdly, there is a story of confusion or distrust that persists and this is brought about by conflicting media messages and imperfect communication on the part of the policymakers. Consumers encounter labels on products which state eco-friendly, carbon neutral or sustainably sourced but rarely do they understand what is behind these statements. The result is weariness and cynicism: individuals desire to eat in a sensible way, yet they do not know what the most crucial options are.

These three stories, virtue, heritage, and doubt are fighting within the mass media, thereby defining whether sustainability is perceived as a goal, which is accessible to all or only a few individuals.

4.3 Internal Barriers: Literacy, Habit, and Inequality

4.3.1 Food Literacy Deficits

One of the findings is central, and it lies in the fact that food-literacy gaps persist. Even though a lot of information is available on the internet, the number of individuals who are not able to interpret nutritional information or prepare balanced plant-based meals is quite high. Educational systems continue to put more emphasis on theoretical nutrition rather than practical nutrition. In less wealthy areas, food literacy is also related to time poverty - people who work and have no leisure and proper kitchen may not be able to try new recipes.

For instance, the Danish survey (Bashiri et al., 2025) showed that while most of the participants could explain the environmental benefits of cutting down meat, less than a third of them could come up with a weekly menu that is both tasty and nutritionally balanced without animal products. This gap makes it clear why the mere provision of information does not necessarily lead to behavior change.

4.3.2 Taste and Habit

Taste, on the one hand, is a very strong memory and on the other hand, a social signal. In the studies conducted in Europe and Asia, a lot of participants declared meat to be the source of comfort, energy, and hospitality, whereas at the same time, vegetables to be related to dieting and giving up. These sensory connections are being developed in the early stages of life and are supported through communal meals. The attempt to substitute meat with plant-based products may cause the emotional side to oppose the idea in most cases: what bothers the person is not the lack of protein but the loss of identity that is believed to be in the taste and texture.

According to Van Doorn and Verhoef (2015), the method of changing taste requires not only time but also shared experience. Community kitchens, school lunches, and local cooking competitions may change one's taste while at the same time offering social pleasure. This method is quite different from guilt-provoking communication, which usually results in the person becoming more defensive rather than being open.

4.3.3 Economic Constraints

Economic inequality is regarded as one of the main root causes of social problems. It has led to the emergence of several countries where certain certified foods have been priced as luxurious foods. Hirvonen et al. (2025) explain that in several low- and middle-income countries, the relative cost of fresh fruits and vegetables has increased more sharply than that of processed meats. Even when the level of awareness is high, affordability is the one that shapes decision-making.

During the first phase of the survey conducted in metropolitan India in 2024, the interviews brought out clear differences in everyday food choices across socio-economic groups. Many middle-class families said they were willing to pay a little extra for “chemical-free” food, mainly because they could afford it and were more concerned about long-term health. Daily wage earners, however, focused on what would keep them full and give them enough energy to get through the day, even if those choices were not environmentally friendly. This does not reflect indifference toward the environment, but rather the pressure of limited income and daily survival.

The findings show that environmental concerns cannot be separated from people's lived realities. Environmental goals, therefore, need to be woven into broader social justice and welfare frameworks. The tables below provide an overview of different barriers categories along with their description, examples, and reference sources:

Table 1: Barriers to Sustainable Eating

Barrier Type	Examples	Impact
Internal	Knowledge gaps, cooking skills	Prevents dietary change

External	Cultural norms, misinformation, policies	Limits sustainability
Economic	Access, affordability	Restricts options

This table also lists the key categories of obstacles that influence the implementation of sustainable eating practices and indicates how the obstacles act at different levels. These different levels include the Internal, External and Economic components. The internal barriers include lack of knowledge and proper cooking skills that do not allow people to translate awareness into actual change in the diet, where they resort to customary and convenient foods. Extravagant barriers are produced by social and institutional settings, such as cultural norms, false information and disjunctive policies that define what foods are permissible or likable and often cause confusion with the concept of sustainability. Economic obstacles, especially concern of accessibility, affordability, also limit the options available, especially to the lower income earners. A combination of these obstacles proves that sustainable eating is not only limited by personal desire but also by the larger social and structural circumstances.

Table 2: Barriers to Sustainable Eating

Barrier Type	**Description**	**Examples**	**References**
Food Literacy	Lack cooking skills, sustainable meal knowledge	Difficulty substituting meat in recipes	Bashiri et al., 2025
Economic Barriers	Limited access and affordability	Low-income groups reliant on cheap meats	Hirvonen et al., 2025
Social Norms	Food signifies cultural identity; peer pressure	Meat as gender/power symbol in Latin America	Kenny et al., 2023
Information Gaps	Misinformation, conflicting marketing	Distrust in sustainability claims	Nugraha et al., 2024
Policy Deficits	Insufficient frameworks and incentives	Lack of unified labeling standards	Runhaar, 2023
Food Literacy	Lack cooking skills, sustainable meal knowledge	Difficulty substituting meat in recipes	Bashiri et al., 2026

Table 2 demonstrates a more elaborated example of the main barriers to sustainable eating by connecting every type of barrier with specific examples and academic resources. Food literacy can be highlighted as a major limit since people do not know how to prepare sustainable meals, and their cooking skills are not sufficient to swap meat products with the plant-based ones. This is further aggravated by the economic barriers, especially among low-income citizens who rely on foods rich in calories mainly because of limited access and affordability. There is also the force of social

norms since the decisions people make about food are often directly related to cultural belonging and social expectations with meat being a symbol of strength, status or power in some areas. Moreover, the lack of information due to misinformation and contradictory marketing messages are also reasons for the lack of trust in sustainability statements by the population. Lastly, there are policy gaps such as the lack of standardized labelling and incentives to promote informed and sustainable eating habits by the consumers.

4.4 External Barriers: Cultural Norms, Policy Gaps, and Media Influence

4.4.1 Cultural Norms and Social Pressure

Culture determines which foods are considered "real". In many areas, going against the dietary norms of the community can lead to either subtle mockery or even open conflict. According to Kenny et al. (2023), men in Latin American cultural settings tend to view the consumption of meat as a source of their physical and moral strength, while at the same time, they perceive women who refuse animal products as those who challenge the expected social roles.

The same kind of conflicts can be found in some parts of South Asia, where vegetarianism has been a sign of purity or religious devotion for a long time, but the young consumers have come to associate the consumption of meat with being cosmopolitan. The proponents of sustainable diets who do not acknowledge these symbolic contradictions often find their programs failing. Successful interventions first must communicate the environmental objectives in terms of local values that are already established, for instance, by connecting the health benefits, thrift, or traditional spirituality with the moderation of meat consumption instead of using the global carbon language.

4.4.2 Fragmented Policy Frameworks

One of the most frequent limitations of policy coherence that is mentioned in the text is local policies. It is common for national strategies to treat issues such as agricultural sustainability, trade competitiveness, and public health as different areas without linking them. Runhaar (2023) states that collaboration among different ministerial levels is not very frequent; hence, activities in food labelling, procurement rules, and school-meal guidelines do not interact but act separately.

On the contrary, Denmark serves as a good example of how this problem can be overcome: a number of coordinated efforts across ministries of environment, education, and agriculture have led to the introduction of sustainability modules in the school syllabus and community eating places. However, few countries from the Mediterranean region had still been willing to pay for animal-feed through subsidies despite endorsing climate-friendly narratives. Without institutional alignment, the momentum created by the individual initiatives cannot be accelerated and they remain at a symbolic level.

4.4.3 Media and Misinformation

The use of digital communication helps spread the message quickly but sometimes it also provides false information to the audience. Social media platforms have an amazing capability to spread information very fast, but they also serve as a shelter for pseudo-scientific claims like "miracle diets", detox myths, or over-inflated carbon

footprints. Nugraha et al. (2024) states that contradictory narratives found online only confuse people instead of enabling them. Younger consumers may confuse the environmental benefits of a lifestyle with their appearance and thus create the perception of veganism as a trend rather than a moral obligation.

Therefore, food literacy should go hand in hand with media literacy. Transparent data presentation, easy-to-find sources, and culturally friendly pictures are some of the features of a successful campaign rather than aspirational marketing ones.

4.5 Culture and Sustainability – The Art of Negotiation

Culture and sustainability do not necessarily have to be at war with each other. There is a lot of value in communal reworking of historical foods with the ecological view in mind as it not only helps to preserve the heritage but also creates a dynamic negotiation rather than a rupture.

The example of India's millet revival can be used to demonstrate this point. Millets that were once labeled as "poor man's grain" have now become a part of city diets largely due to the efforts of the government as well as the growing desire for native and resilient products. Unlike rice or wheat, millets need very little water and fertilizer and thus, environmental logic coincides with cultural rediscovery.

Chefs and government officials in the Nordic area have, in a similar manner, brought about the "New Nordic Diet," based on the staples of local fish, grains, and seasonal vegetables, which not only benefits the region's ecology but also draws on the regional culture rather than global vegan trends.

Likewise, Aymara folk of Peru and Bolivia do not sell quinoa and amaranth as the new superfoods of the world but rather as their ancient crops that are the symbol of their freedom. The cultural reinterpretation of these could imply that the sustainability movement is more likely to be accepted when it becomes a part of one's identity rather than taking it away. House et al. (2023) name six factors that can lead to such an integration—symbolism, habits related to the context, preparation methods, accessibility, adaptability, and social meaning. Actions that involve all six have a better chance of lasting. For instance, plant-based offerings in the canteen familiarizing with the use of community-eaten foods and spices not only fulfill the nutritional but also the cultural requirements.

4.6 The Role of Youth and Digital Advocacy

Across the regions, young people are the ones who carry the culture from one generation to another. They and other online communities spread the word by sharing recipes, household tips, and criticizing industrial agriculture in which sustainability becomes a story that everyone can take part in. Youth climate movements relate dietary change to moral activism by characterizing consumption as a civic duty.

However, this activism is mostly confined to digital silos and thus, only a few are reached who are already sympathetic. To have more impact, partnerships with schools, religious institutions, and local food markets are essential. There is no result of confrontation but continuity when young advocates collaborate with community elders or culinary artisans. The Norwegian campaign Matglede ("Joy of Food"), for instance, combines the power of youth influencers and that of traditional cooks to encourage low-waste cooking which is not only based on the national but also in the shared cuisine.

4.7 Socio-Economic and Gender Dimensions

Living sustainable eating lives has to do with gender and class, intersectionally, in very complicated ways. Generally, women are the ones who take care of food provision in the household, but they do not have much power over the structural conditions such as time, income, and availability. Research done in Kenya and Bangladesh show that even though women are conscious of environmental issues, this awareness does not necessarily lead them to be able to make environmentally friendly purchases. Hence, policies that economically and educationally empower women would lead to sustainability in food indirectly.

At the same time, gender stereotypes that influence men create a barrier for them to switch to plant-based diets. In a series of focus group discussions held in Mexico and Brazil, some male participants referred to vegetarian meals as one that is not "filling" enough or that is not socially acceptable during family gatherings. Such understanding of the problem points out the necessity of narrative framing: connecting plant-forward diets to being strong, having endurance, or being a creative chef rather than a deprived one.

4.8 Quantitative Context: Environmental Footprint

The cultural findings reported here can be better understood with the help of data presented by Poore and Nemecek (2018). Diets with meat as the main component are said to be responsible for approximately 30 kg of CO_2-equivalent per kilogram of product, whereas the figure for diets of plant-based products is only about 5 kg. This is the case with land and water usage. Meanwhile, environmental worth of diets change greatly relies on the production of food and its location. In certain areas, the grass-fed cattle reared in mixed farming systems might even enhance the soil quality and sustain biodiversity in the area. Conversely, the worldwide production of monoculture commodities such as animal feed consisting of intensive farming of pesticide-treated soy tends to cause deforestation and severe environmental damage. That is why it is evident that not everywhere food choices can be considered as either good or bad in terms of the environment.

Due to this reason, the policies fostering sustainable eating must go beyond the individual consumption and consider the practices in farming. The local climatic conditions, traditional knowledge and the land-use patterns are significant in determining the environmental outcome. Providing farmers with assistance needed to convert region-specific and ecologically viable farming approaches will not only conserve nature but will also support livelihood. When sustainability is based on local realities it becomes practical and just as opposed to being imposed and abstract.

Table 3: Environmental Footprint of Dietary Patterns (Poore & Nemecek, 2018)

Diet Type	GHG Emissions (kg CO2 eq/kg)	Land Use (m^2/kg)	Water Use (L/kg)
Meat-Based	30	50	4500
Flexitarian	15	25	2000
Plant-Based	5	10	1000

Table 3 is a comparison of the environmental footprints of various dietary patterns in terms of greenhouse gas emission, land use and water consumption. Deceptive of animal products, but not excluding them, flexitarian diets demonstrate a non-insignificant reduction in all three indicators and that is why they can be considered a transitional model of diet. Secondly, the impact of plant-based diets on the environment is the lowest due to the significantly low consumption of land, water, and emissions.These differences not only underline the strong relationship between the form of the diet, and environmental sustainability, but also indicate that partial dietary modifications, which might involve transitions to flexitarian patterns, can have a strong environmental payoff, even though they may not involve any radical alteration in the diet.

4.9 Emerging Patterns

The combination of the data reveals a great number of repetitive motifs:

Consciousness with incompetence: It is the concept of sustainability that people have but lack the skills to implement it, they fail to implement the concept in real life, in their day to day lives.

Moral ambition vs. material restraint: The ethical motive is obstructed by economic fact and indicates the contradiction between the ethical motives and the economic constraint whereby the economic constraints limit the capacity to act on values.

Tradition as challenge and prospects: Heritage foodways may be either enablers or impediments to change depending on how they are packaged.

Policy fragmentation: The change in consumer behavior cannot be particularly significant without cross-sectoral governance, which is consistent and combines various sectors.

The competition that comes with the age category of 31-50 years is the age group with low adoption rate because competing duties, food habits and time may prevent a change in diet. The least uptake are people of the 51 and older age category which means that they are more fond of traditional eating patterns and less exposed to the food narrative that propagates the concept of sustainability. Altogether, the table reveals the fact that age is a significant variable which determines the shift in diet, and the younger generations are the main creators of sustainable eating habits.

The table below displays the Sustainable Diet Adoption Trends by various age groups:

Table 4: Sustainable Diet Adoption Trends by Age (Kenny et al., 2023)

Age Group	% Adopting Flexitarian/Vegetarian Diets

18-30 years	25-30%
31-50 years	10-15%
51+ years	<5%

Table 4 indicates that there is a definite generational difference in the use of flexitarian and vegetarian diets. The highest degree of adoption is observed among the younger adults aged 18-30, who include about a quarter to a third of the plant-forward eating patterns, being more open to the issue of concern, ethical consumption, and diet exploration. The competition that comes with age category of 31-50 year is the age group with low adoption rate because competing duties, food habits and time may prevent a change in diet. The least uptake are people of the 51 and older age category which means that they are more fond of traditional eating patterns and less exposed to the food narrative that propagates the concept of sustainability. Altogether, the table reveals the fact that age is a significant variable which determines the shift in diet, and the younger generations are the main creators of sustainable eating habits.

4.10 Synthesis

The intersection of food, culture and environmental friendliness is an unsolvable puzzle: on the one hand, people desire to eat in an ethical way; on the other hand, the social meaning of food continues to affect them. Cultural identity is a factor of change and at the same time a stabilizer. Therefore, it cannot be merely top-down instructions but dialogue and participation in effective strategies. The way global sustainability is realized and localized is by the use of neighborhood based food programs, such as urban gardens, farmers markets, local storytelling festivals. Cooking, ecology, and history may be used as an educational tool that would make the learners less guilty and build confidence and curiosity in them. Possible and real policies include small farmers, incorporation of nutrition in schools and subsidizing of local produce.

Finally, food ecological consumption is effective when it impacts emotionally as well as socially. The issue is not to invent new foods, it is to re-story the old foods in order that they would not only respect the past, but the planet as well.

5. Conclusions and Recommendations

5.1 Conclusion

These researchers have discovered that sustainability in eating concerns far more than the individual making a choice on what to eat; it is an issue that is interwoven with the social, cultural, and structural systems, as well. It is a complicated weaving of internal and external factors that do not only shape the behaviour and perception but also opportunities of people living in various regions to do so in a sustainable manner.

Cultural Identity and Tradition: It is the primary cupboard where both individual and shared memory along with sense of identity and social meaning are deposited and passed on using food. The attempts concerned with sustainability have the role of conquering these cultural frameworks, rather than losing them. The revival of the millet in India as well as the Nordic New Diet projects may be mentioned as the examples of how environmental sustainability may prosper and, at the same time, promote the

environmental objectives. Conversely, the imposition of external values without providing the right environment to support the same most commonly leads to the development of antagonism or estrangement.

Social Narratives and Morality: The debate about sustainable food consumption is mostly based on the narratives about morality, virtue, and belonging to society. Although these stories have the potential to contribute to engagement to a significant degree, there is a possibility that they can also produce social inequalities, as they are linked to status or privilege. The food-sovereignty movements in Latin America established another example introducing the issue of ecological sustainability as a collective activity and resilience instead of individual moral execution.

Structural and Economic Factors: It is not just a matter of awareness. The sustainable decisions can be determined by the food literacy, affordability, infrastructure, and the well-structured policy frameworks. The issues of divisive government, uneven labelling, and inequitable entry to the market are the key obstacles which are in place. On the one hand, the two key pillars of the facilitation to create the environment include policies with integrative objectives such as agriculture, health, and trade and, on the other hand, a local producer-assistance program such as subsidies.

Taste, Habit, and Emotion: Sensual desire of people to be satisfied and their habits of doing things is the primary cause of why people find it so difficult to change food behaviour. Environmentally-friendly solutions should ensure that the products that are expected by the culture get; otherwise, such well-intended solutions will remain purely theoretical. Culinary innovation that does not only maintain familiar flavours, but also explicitly provides low-impact ingredients fills this gulf, it is shown that sustainability is not only an issue of ethics, but also pleasure.

Youth and Digital Advocacy: The young generations are the primary elements that can introduce changes. Utilization of social media and digital networks create awareness, ease of learning through other peers and provide a connection between sustainability and identity. However, these tools will not result in anything without being reinforced by the presence of the community, guidance by an experienced individual, and local culinary expertise to be in a position to say more than mere superficial adoption.

In conclusion, the process of sustainable diets embarkation is a multidimensional process which involves negotiations of identity, morality, taste and social organization. The cultural adaptation, the participatory engagement, and the structural support are similar to three sides of a single and the same coin as that none of them can be omitted in case one wants to make a meaningful change which is long lasting.

5.2 Recommendations

Based on these results, the following recommendations might be suggested to policymakers, educators and community participants:

5.2.1 Policy Recommendations

1. Integrated Food Policy: Governments should coordinate health, agricultural, education, and trade policies in a manner that would help in creating sustainable diets. Some of these measures include uniform labelling, incentive to local producers, and procurement based on nutrition in the public facilities like schools and healthcare facilities.
2. Economical Accessibility: A subsidy or any form of assistance on low and impact food can be of great assistance in reducing the financial constraints. The initiatives would largely focus on putting the products within the low, and middle, income areas at prices that are not too high that it would give rise to the so-called sustainability elite phenomenon.
3. Infrastructure Support Infrastructure: Adding cold storage, transportation, and supply chain to fresh sustainable foods is much needed in case we wish to ensure their year-round availability.

5.2.2 Educational and Community Initiatives

Food Literacy Programs: The curriculum must be both theoretical and practical where the students learn how to cook and the knowledge of nutrition. School-based workshops, community food kitchens, and youth-led cooking competitions are one way of children becoming acquainted with plant-based and traditional ingredients and learning their confidence and creativity.

Cultural Adaptation in Messaging: One of the significant requirements of the educational campaigns is the cultural sensitivity and fidelity to the culinary identity of a region to be effective. The revival of heritage grains and legumes, plant based dishes is one of the methods of proving that sustainability can be a tradition rather than a new model, which is imposed.

Participatory Engagement: The local communities ought to be accorded the chance to participate in making decisions related to their diet, food production as well as their marketing. It is the process of co-creation that, in this way, is a mechanism of ensuring the legitimacy, mainstreaming the adoption, and facilitating the adaptation of the global sustainability agenda to the local one.

5.2.3 Media and Awareness Strategies

1. Transparent Communication: Campaigns should be accompanied by accurate and culturally sensitive information. These should be clear explanations of carbon footprints, water use, and nutritional benefits without the use of a moralizing or guilt based messaging approach.
2. Youth and Digital Platforms: social media should be used for peer, to, peer learning, storytelling, and recipe sharing. This will ensure that online advocacy is supported by offline mentorship and community workshops.

5.2.4 Research Recommendations

- **Transparent Communication:** Accurate and culturally sensitive information must be used in the campaigns. They should be simple descriptions of carbon footprints, water consumption, and nutritional value without the moralizing or guilt based strategy of message delivery.

- **Youth and Digital medium:** peer, to, peer learning, storytelling, and recipe sharing should be done using social media. This will make sure that the online advocacy meets with the offline mentorship and community workshops.
- **Interdisciplinary Approaches:** The new study ought to take into account incorporation of social science, nutrition, and environmental research to examine the interaction between culture, policy, and consumption.
- **Participatory Methods:** More intensive use should be made of interviews, ethnographies, and community workshops to capture the lived experiences of people and in particular in those less resourced and underrepresented areas of Africa, Asia, and Latin America.
- **Monitoring and Evaluation:** One of the objectives should be to establish longitudinal studies that trace the changes in the behaviour of people, as well as their cultural adaptation and environmental impact to identify the best methods of encouraging sustainable eating over time.

5.3 Final Reflections

The concept of sustainable eating is impossible to reduce to a list of things to do or things not to do. It is a constant juggling process between the present and the past, pleasure and responsibility, the personal desire and the common good. The results indicate that the intersection of the demands of global sustainability and local understanding, culinary culture and social equity result in significant changes.
Policy coherence, cultural adaptation and community engagement can help societies equitably transform food systems to nourish the people and the planet. It is a huge task, and the paths are clear: ensure that tradition is cared about, empower the people, and provide opportunity. Once these components are combined sustainability in eating is not an imaginary bit but a reality.

Disclosure of Interests. The authors have no competing interests to declare that are relevant to the content of this article.

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